



FEMA



Prepared by
Brian Hoeth

FEMA Region 6 Weather Threat Briefing

Friday May 21, 2021

Disclaimer: The purpose of this briefing is to provide a **Regional** weather threat assessment and is meant as a general overview. County/Parish decision makers should consult their local NWS forecast offices for the latest detailed, local weather information.

To find your local NWS forecast office, go to www.weather.gov/srh.



NWSSouthern

www.weather.gov/srh

Summary of the Upcoming Week



SR ROC
REGIONAL OPERATIONS CENTER

- **Heavy rain/flooding today across SE TX/SW LA with lingering/isolated flooding possible in SE TX on Saturday.**
- **Isolated severe storms today for E NM & TX/OK Panhandles, expanding into W TX Saturday and Sunday.**
 - Large hail and damaging winds are the main threats each day.
- **A disturbance in the western Gulf of Mexico could become a short-lived tropical depression or storm (40% chance) before moving inland over the northwest Gulf tonight.**
 - Heavy rain, minor coastal flooding, gusty winds, and an increased risk of rip currents & swells are possible along the TX/LA coasts today/tonight.

FEMA Region 6 Threat Matrix

May 21, 2021 - May 25, 2021



SR ROC
REGIONAL OPERATIONS CENTER

DAY / THREAT	Fri	Sat	Sun	Mon	Tue
Severe Storms	E NM TX/OK Panhandles	E NM, WTX TX/OK Panhandles	E NM, WTX TX/OK Panhandles		
Heavy Rain / Flash Flooding	SE TX/SW LA	SE TX E NM/WTX			
Fire Weather	NM	W NM			
Tropical Winds / Surge					
Winter Weather					
River Flooding	LA/TX	LA/TX	LA/TX	LA/TX	LA/TX
	AR	AR	AR	AR	AR

	No Weather Threats Expected
	Very Common – Happens Often
	Common – Happens Frequently
	Uncommon – A Few Times a Year
	Rare – Once Every 1-5 Years
	Very Rare – Once Every 5-10 Years

Threat levels are based on FEMA Region 6 criteria. State or local threat level criteria may differ.

For more details on the colors in the threat matrix refer to the last slide in this briefing.

Tropical Weather Outlook – Atlantic/Gulf



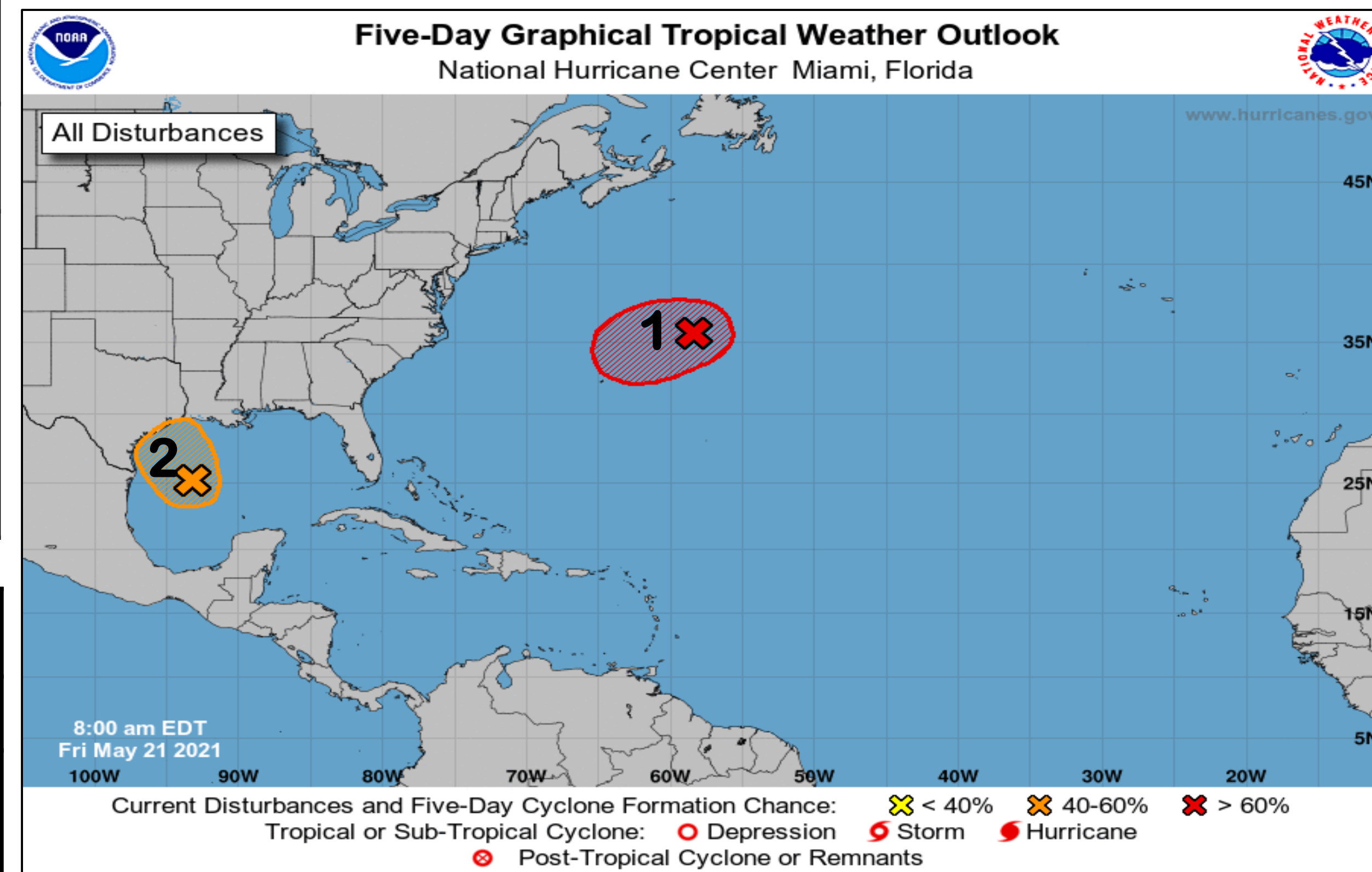
SR ROC
REGIONAL OPERATIONS CENTER

Areas of Possible Development

Area	Chance of Development	Potential Impacts to FEMA 6
1	High	None.
2	Medium	Heavy rain, minor coastal flooding, gusty winds, and an increased risk of rip currents & swells along the TX/LA coasts today/tonight.

Active Tropical Cyclones

Storm	Potential Impacts to FEMA 6
-	

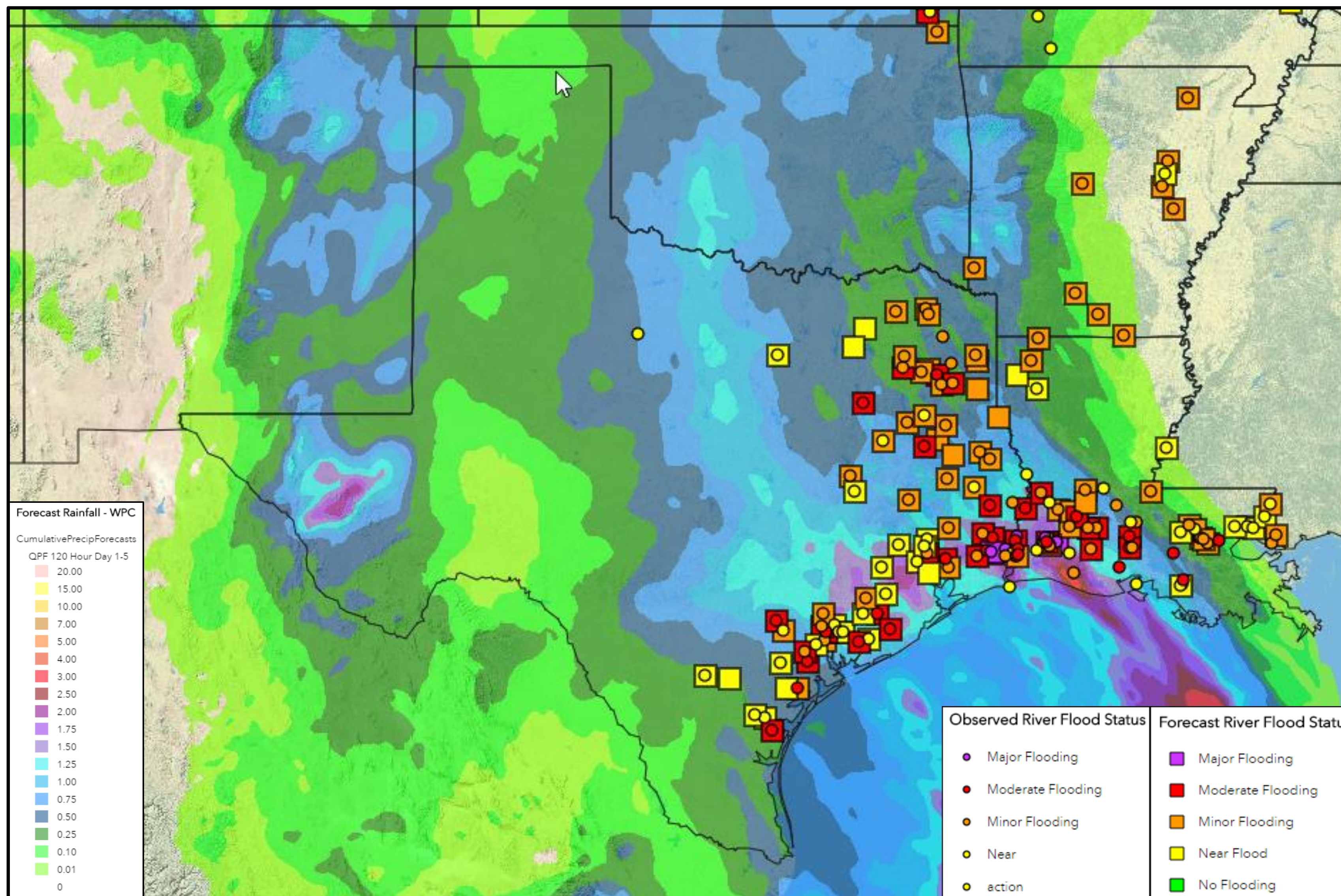


5-Day Precipitation Forecast & River Flood Status



SR ROC
REGIONAL OPERATIONS CENTER

Note: Even though the image displays 5 days of forecasted rainfall, river forecasts only include 1-2 days of rainfall



Widespread minor, scattered moderate, and isolated major flooding continues for portions of TX and LA. Major lowland flooding is likely with significant flooding of roads and agricultural areas, with cattle cut off. Flooding with potential impacts to homes/structures is highlighted below.

Major Flooding in Texas

- **Neches River at Saltwater Barrier in SE TX is in major flood & will continue rising w/ several homes & camps flooded.**
- **Neches River near Beaumont in SE TX is in major flood & will continue rising leading to several residential roads flooded and water up to homes in Beaumont.**
- **Cow Bayou near Mauriceville in SE TX is in major flood w/ a few homes flooded.**

Major Flooding in Louisiana

- **Calcasieu River at White Oak Park in SW LA is expected to continue at major flood for the next few days; extensive flooding with water in several homes and camps.**

Minor river flooding will continue across AR with flooding of agricultural/recreational areas and secondary roads.

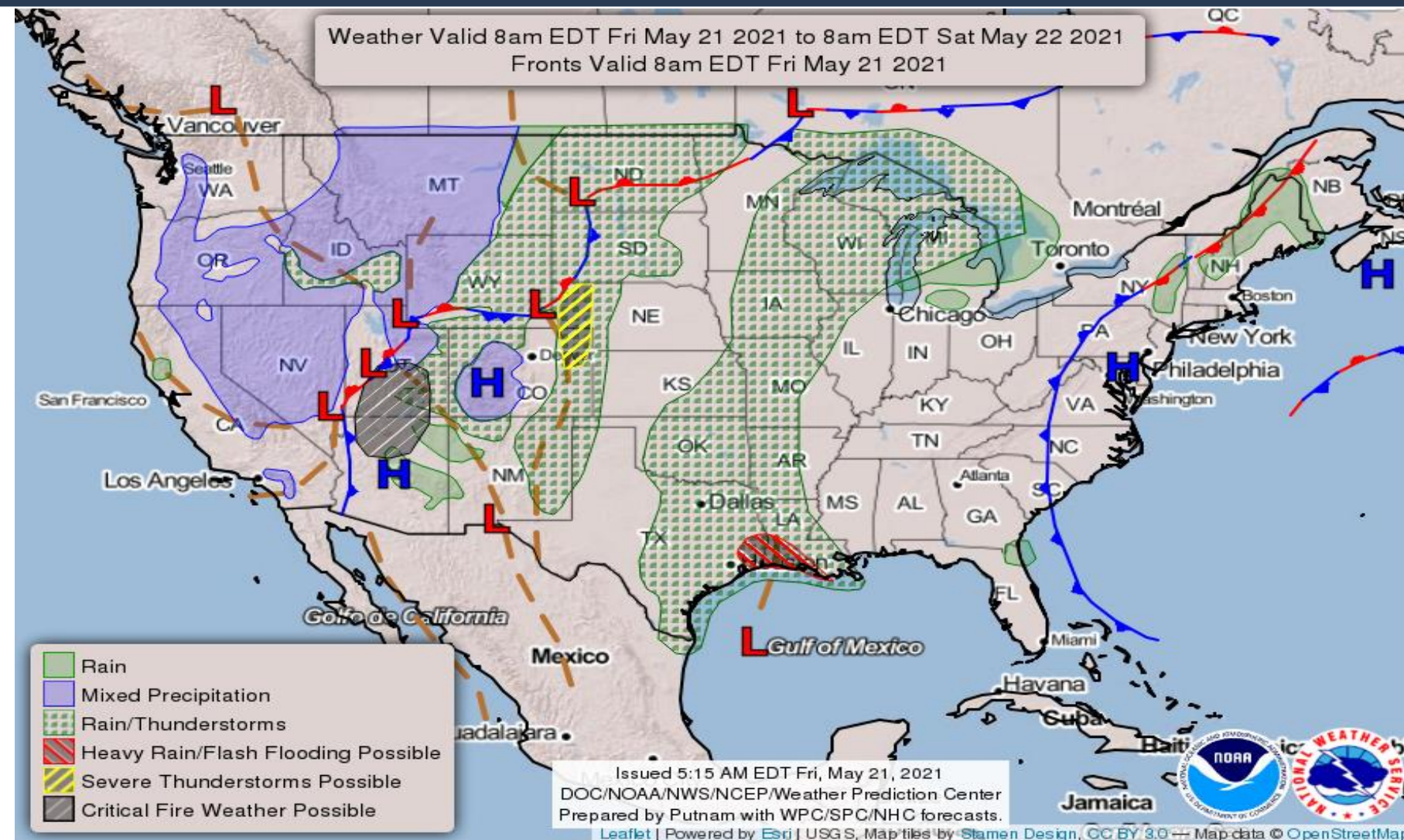
Today's Weather



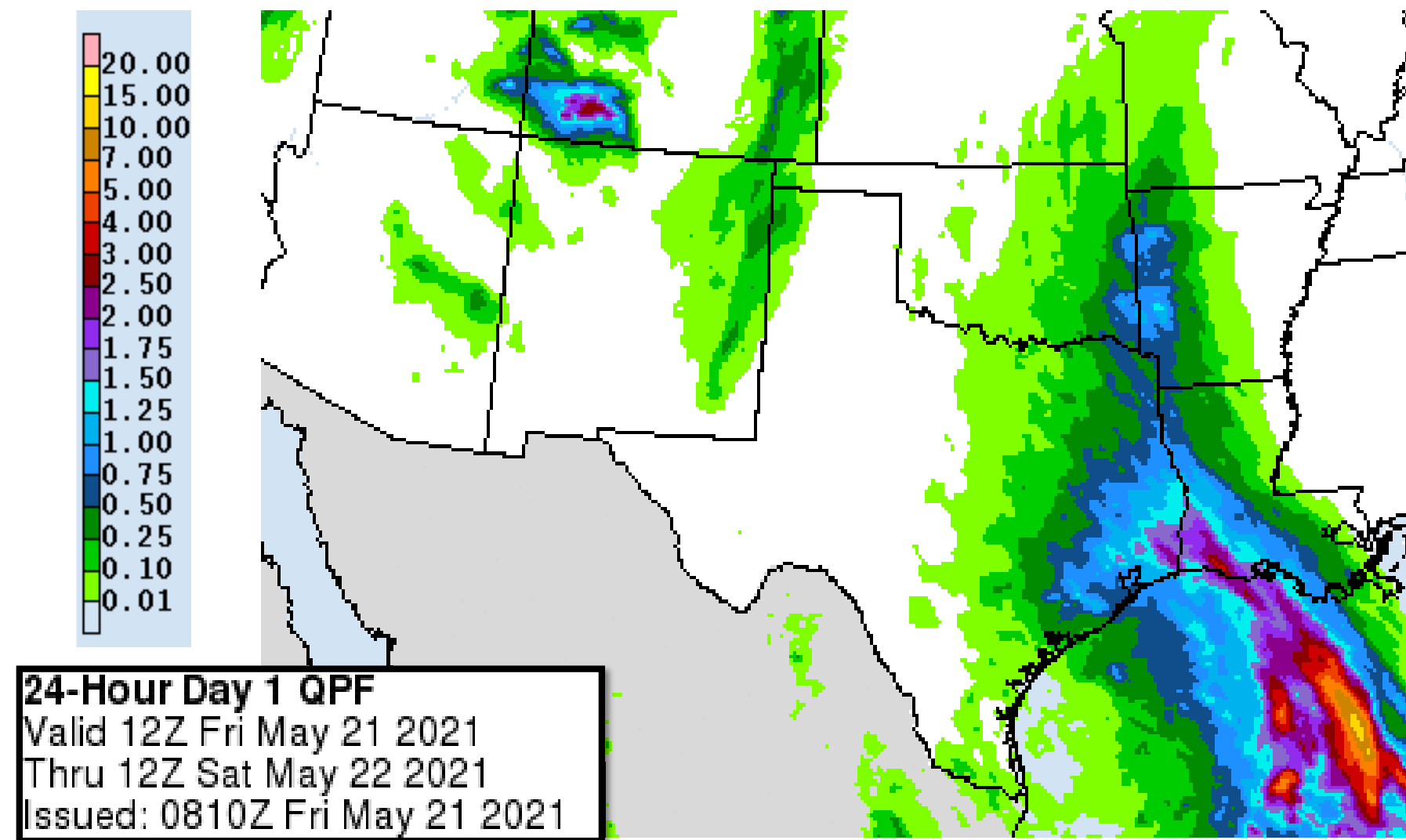
SR ROC

REGIONAL OPERATIONS CENTER

Forecast Chart



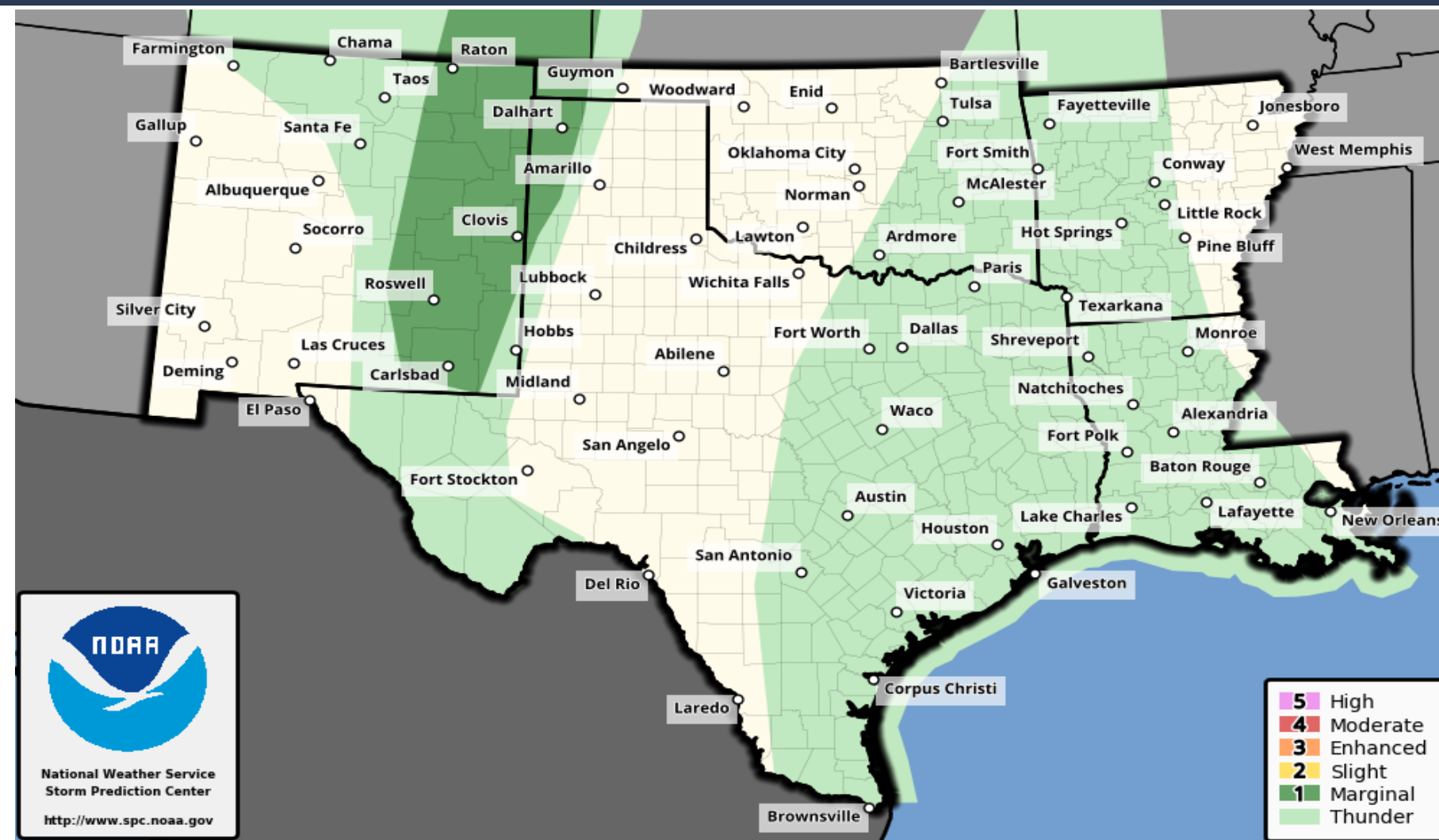
Forecast Rainfall



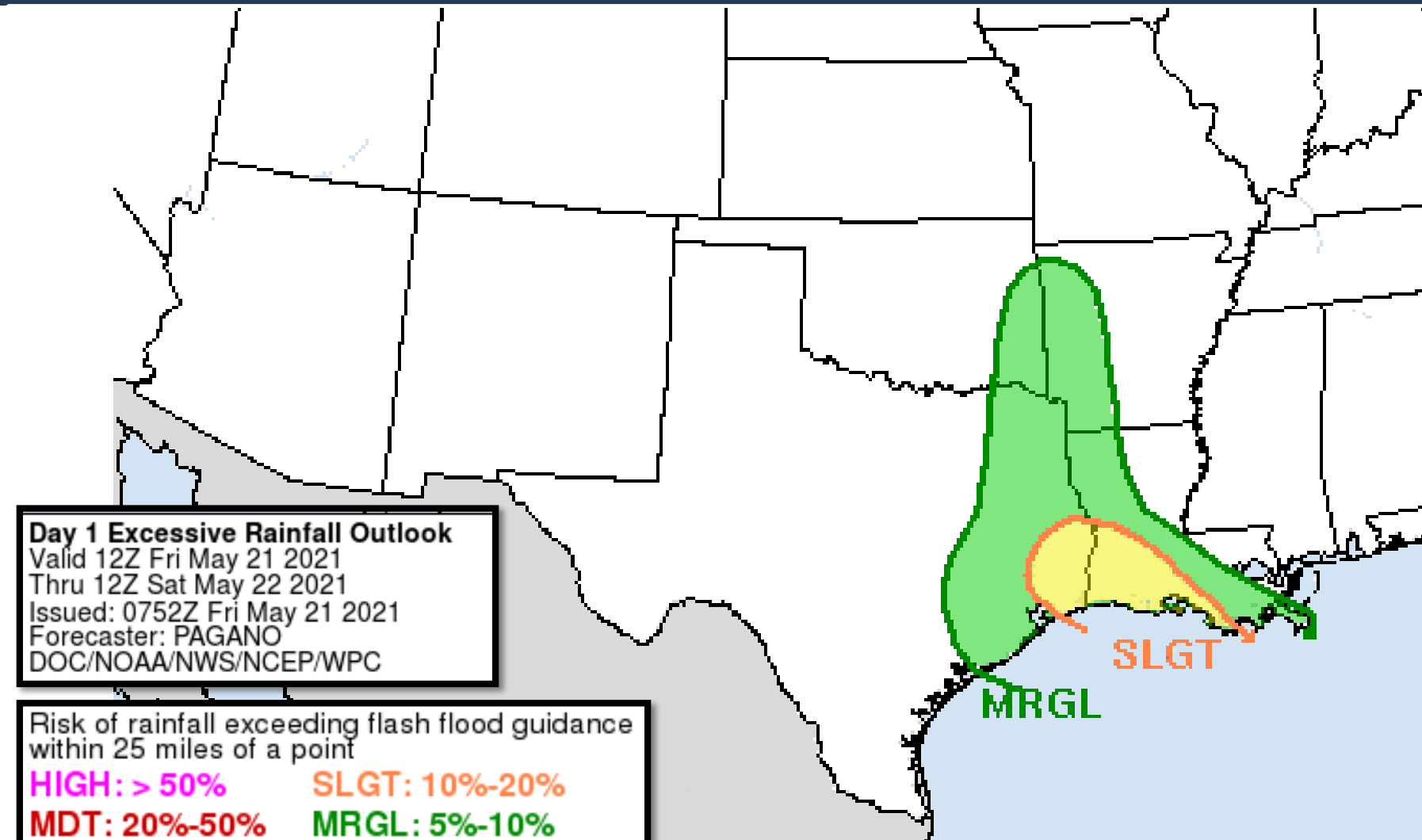
**Heavy rain/flash flooding
possible for
SE TX/SW LA.**

**Isolated strong/severe
thunderstorms possible across
E NM and the western
TX/OK Panhandles.
Large hail and damaging winds
are the main threats.**

Severe Weather Outlook



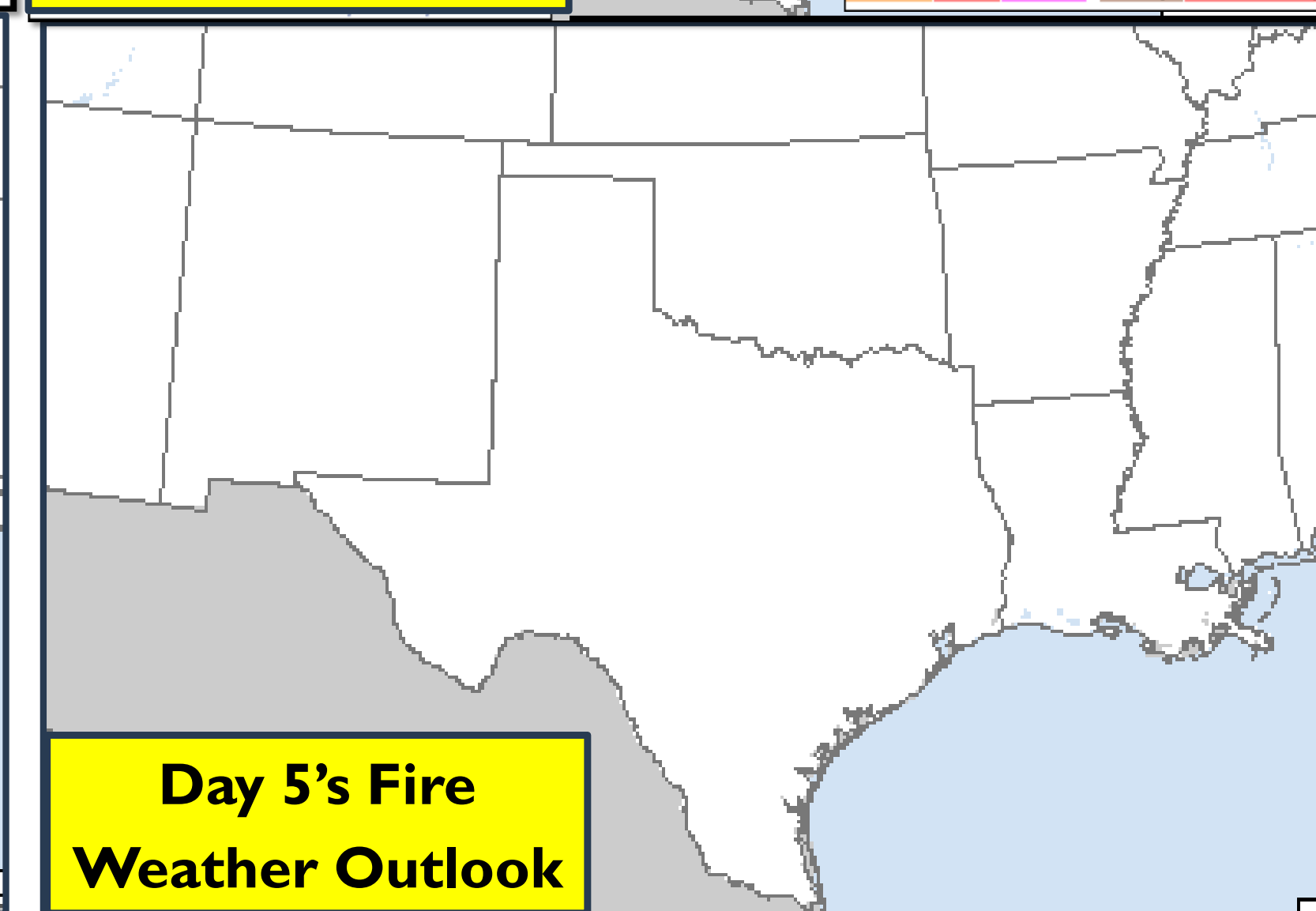
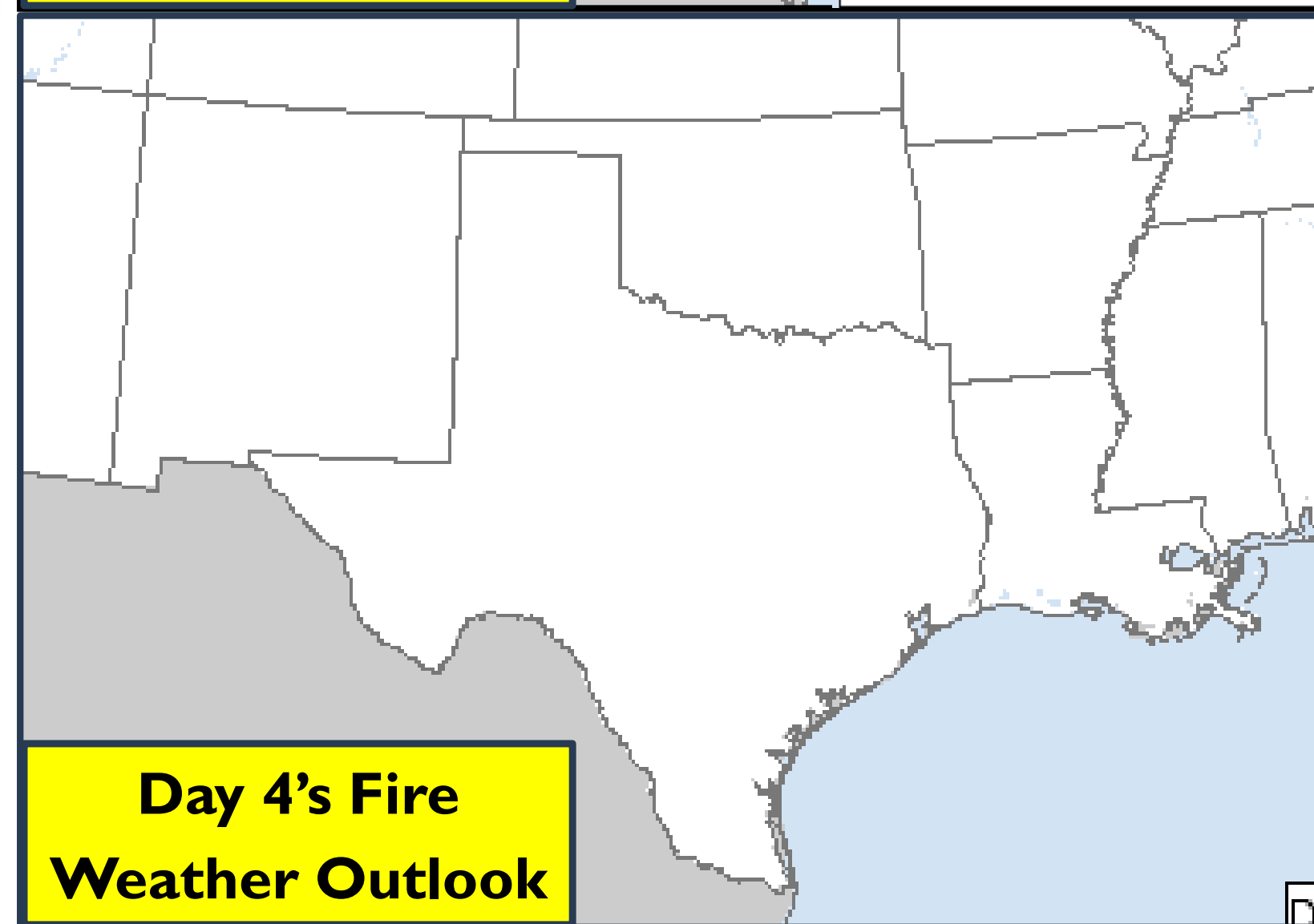
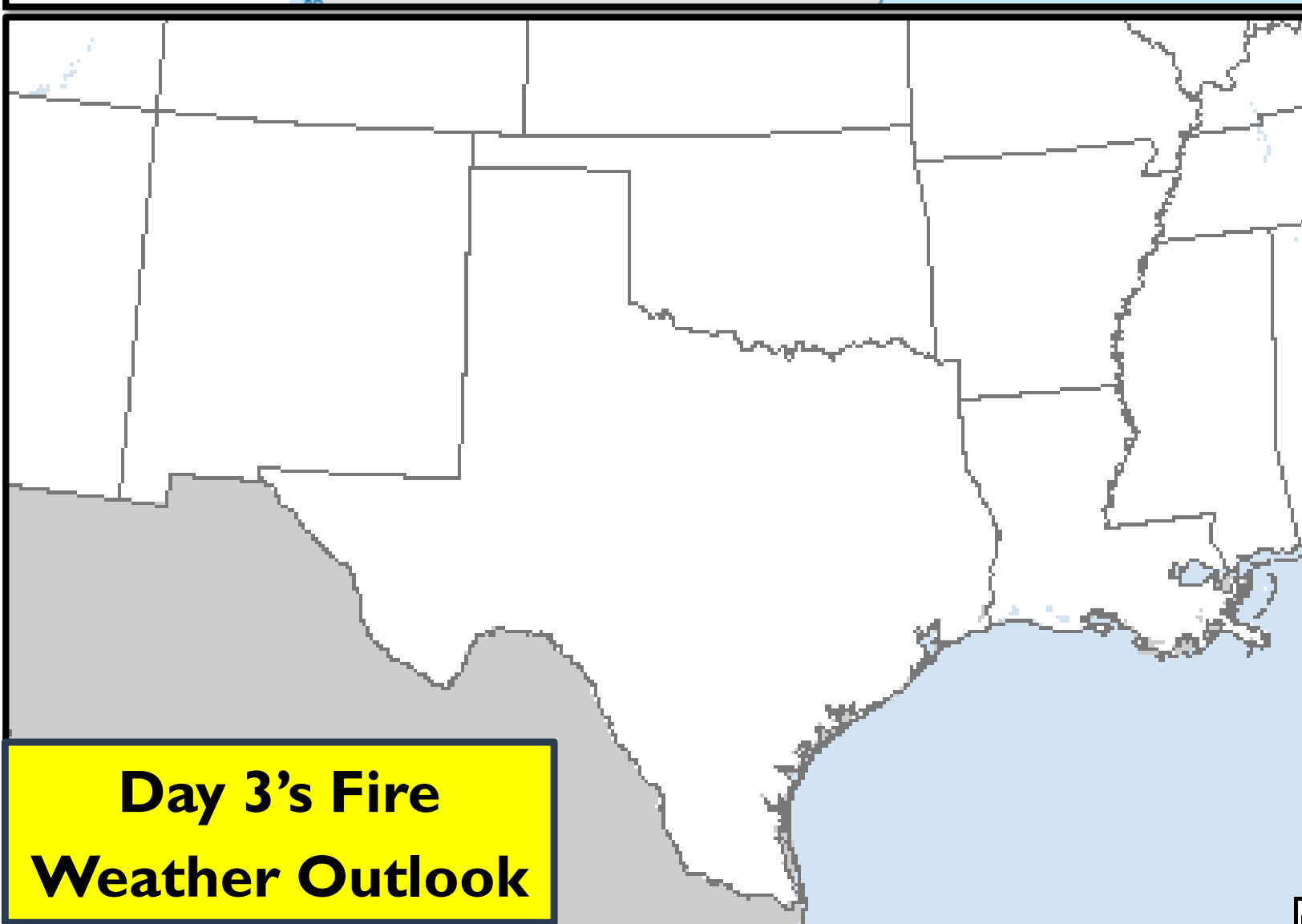
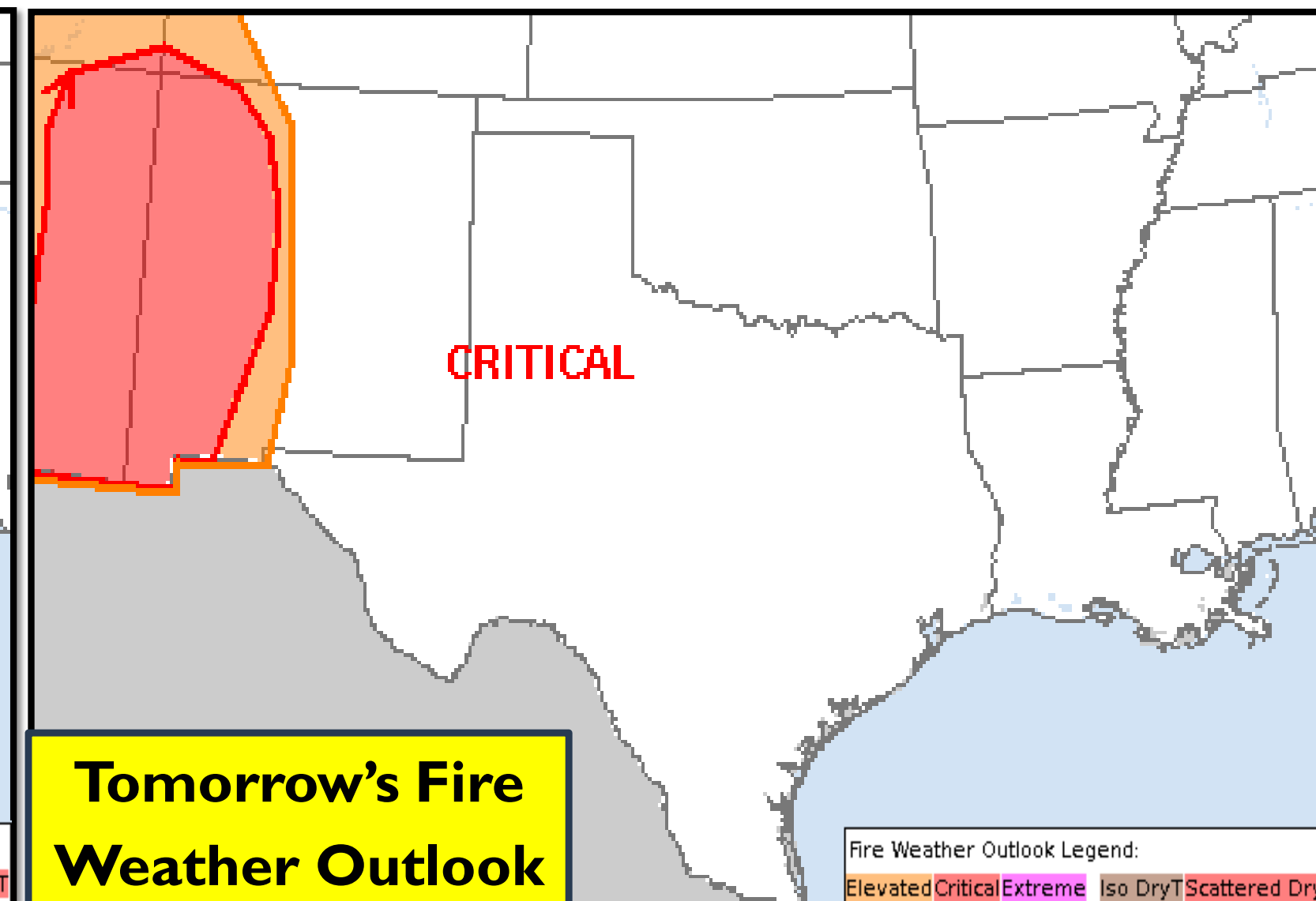
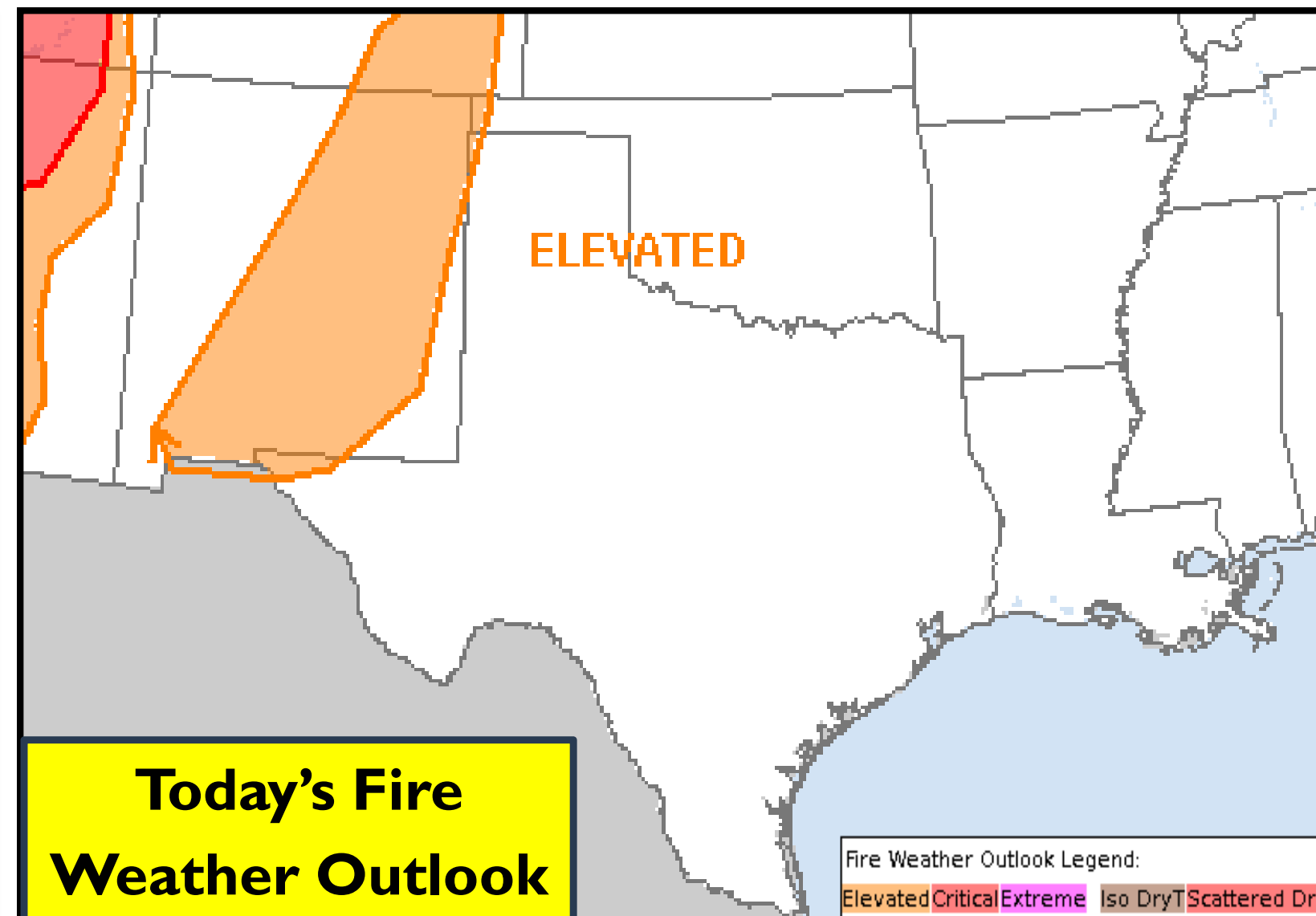
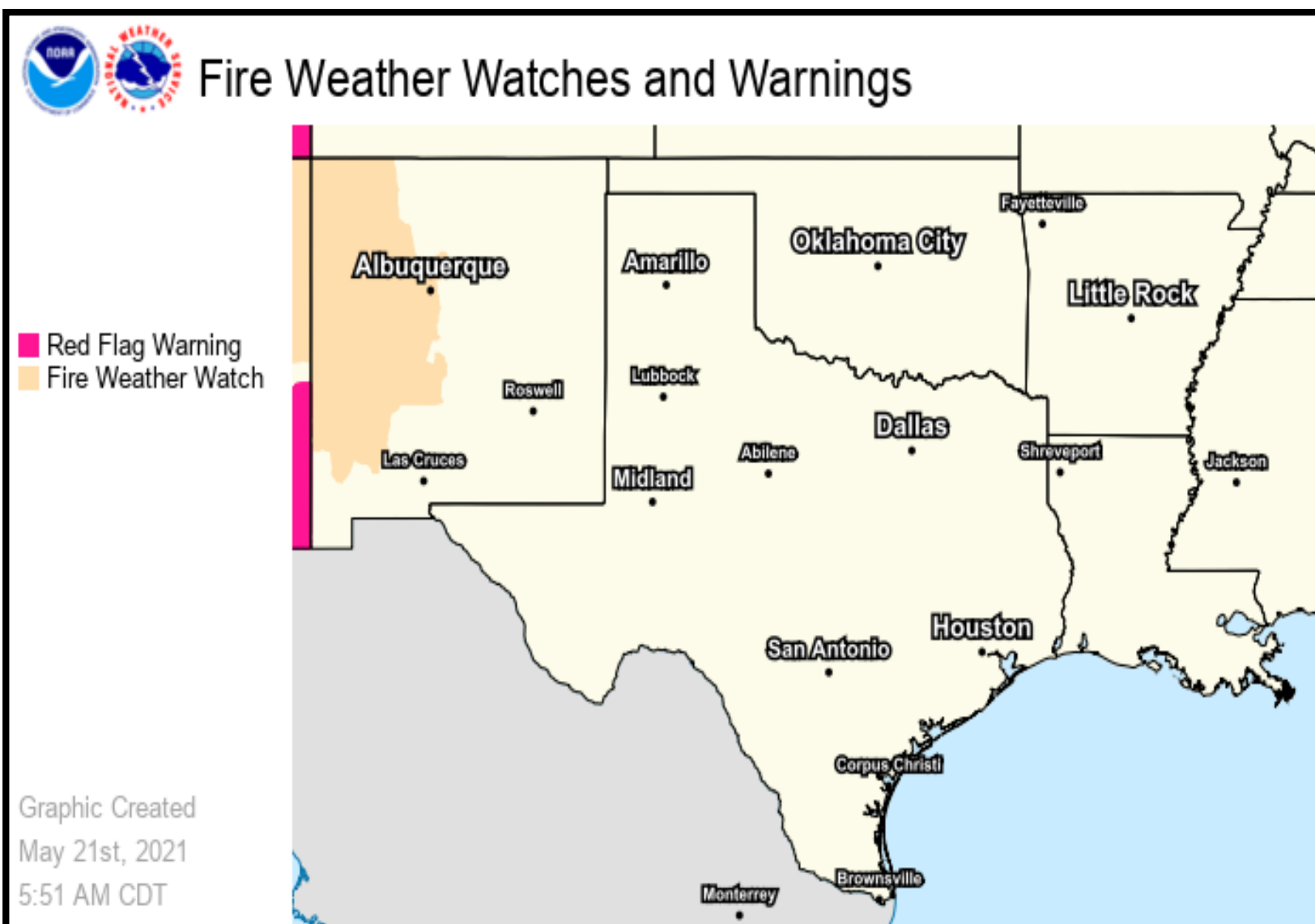
Excessive Rainfall Outlook



Fire Weather Outlooks



SR ROC
REGIONAL OPERATIONS CENTER

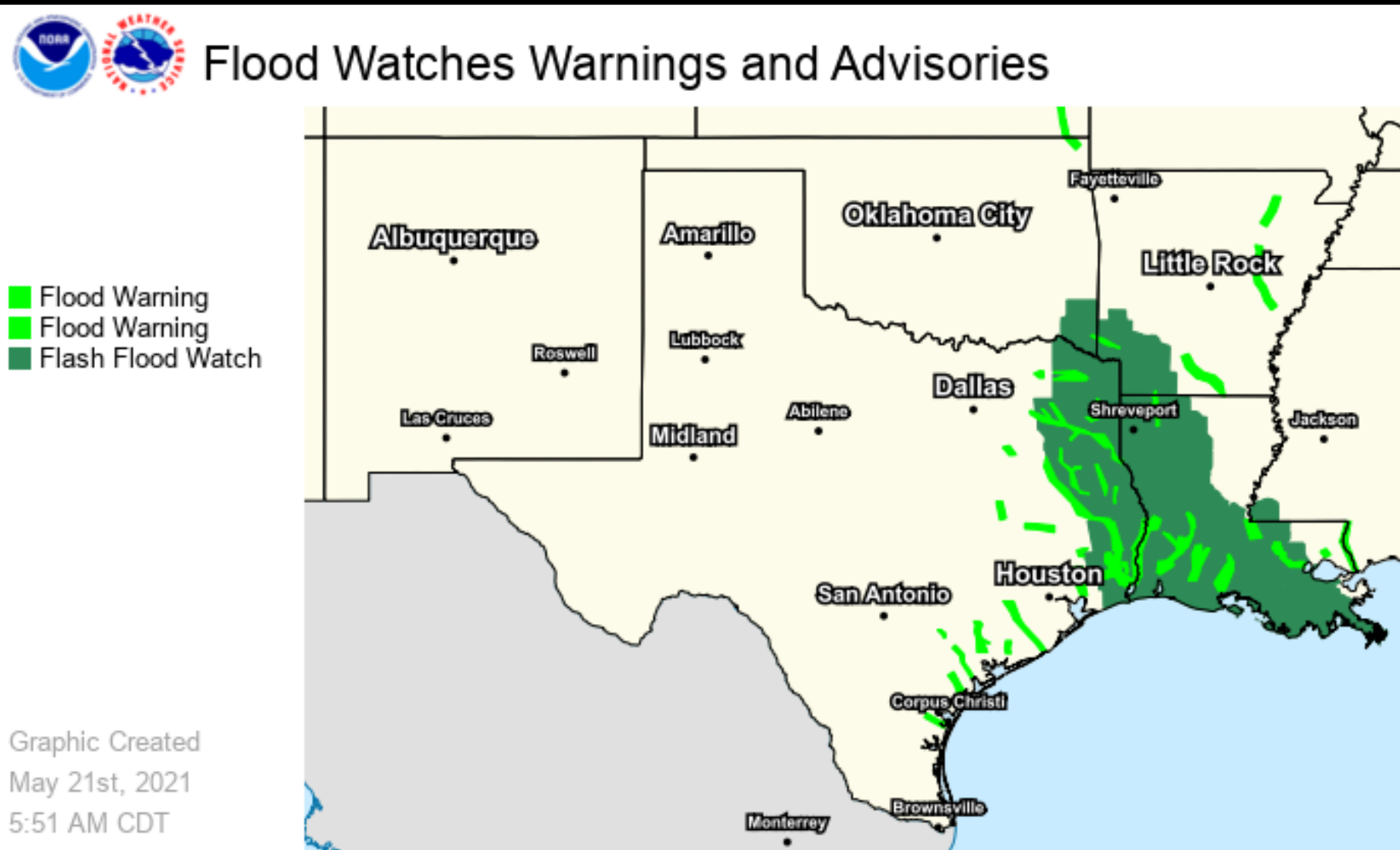
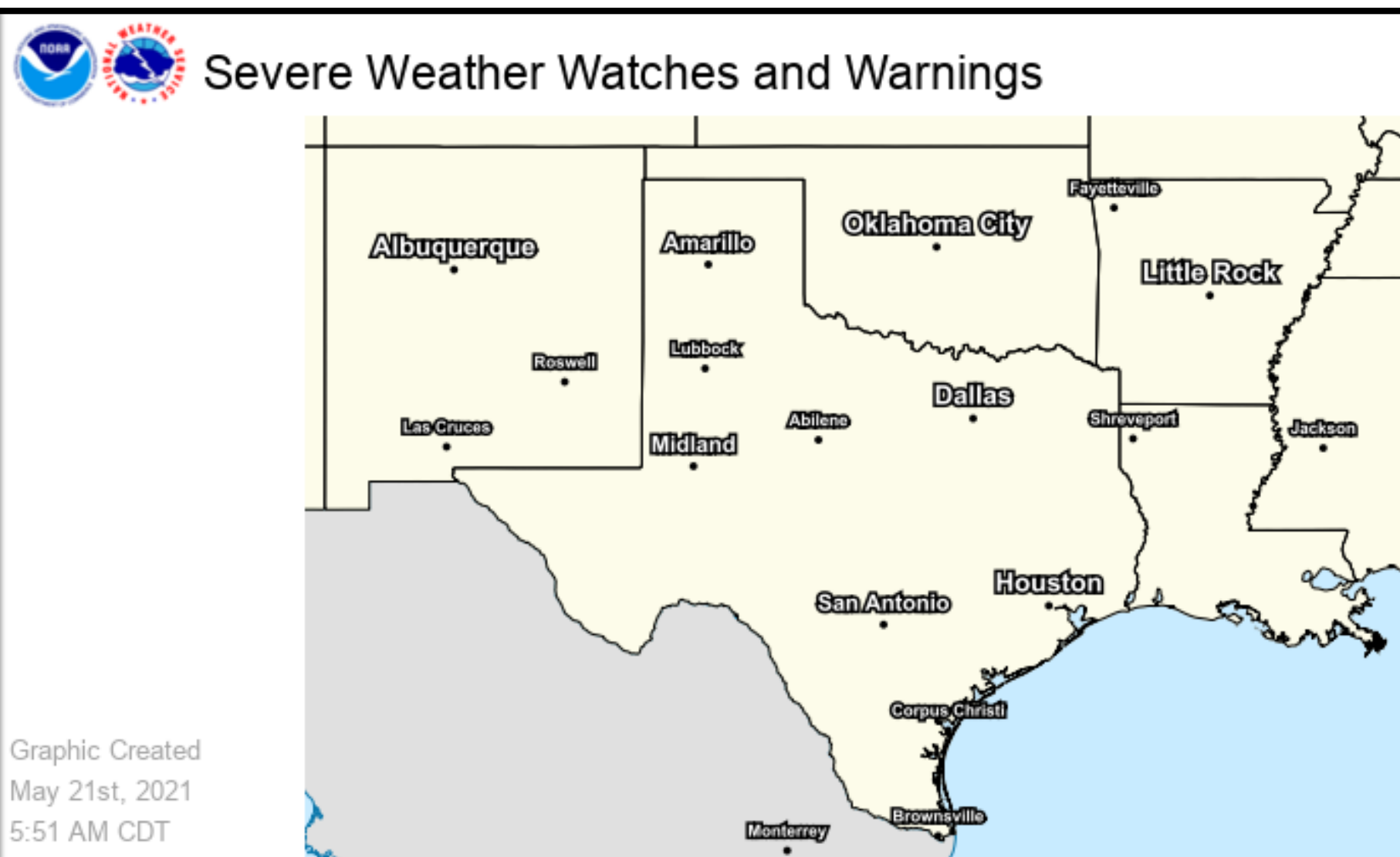
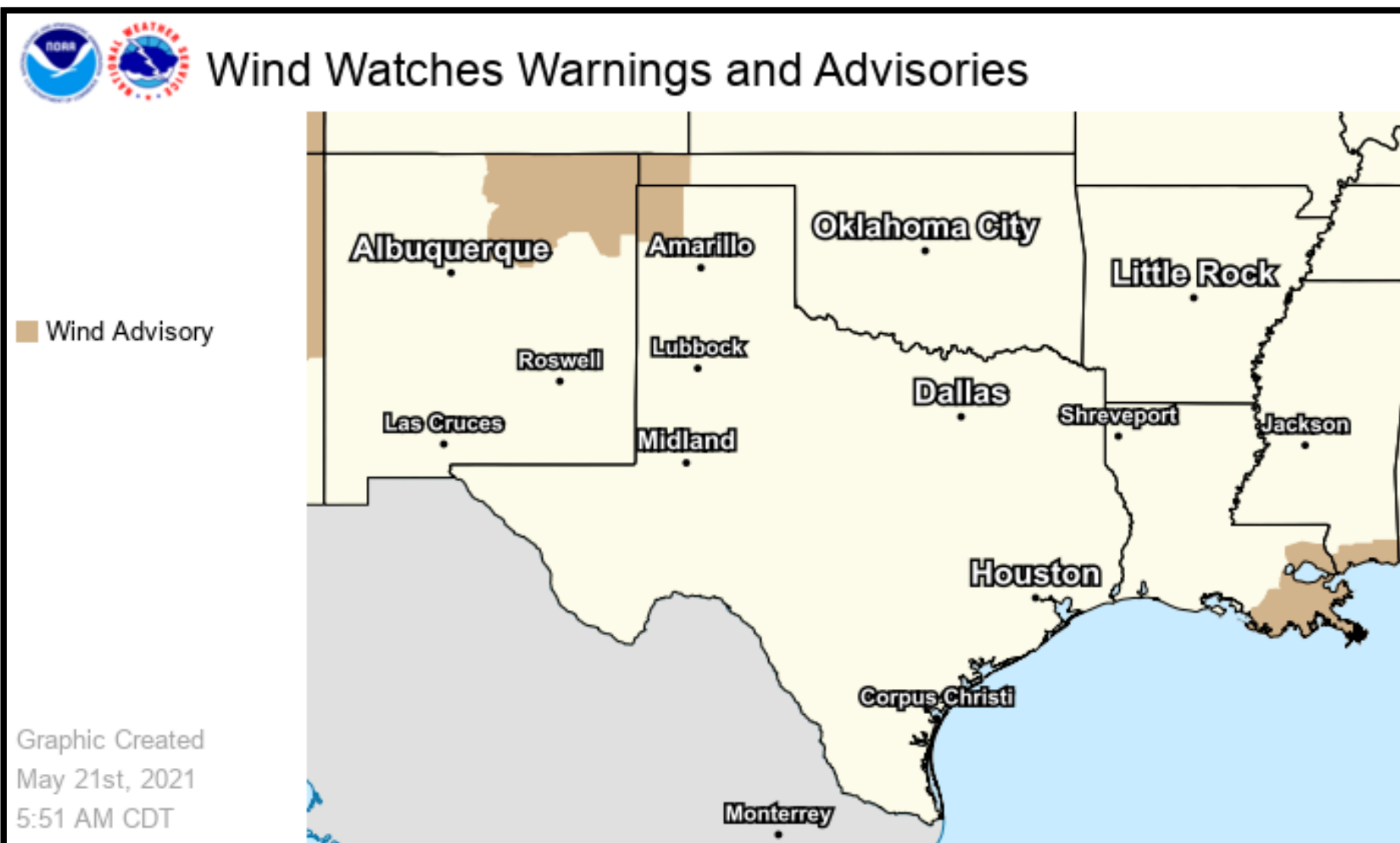


Watches, Warnings, and Advisories

Wind, Severe, Winter, and Flood Hazards



SR ROC
REGIONAL OPERATIONS CENTER

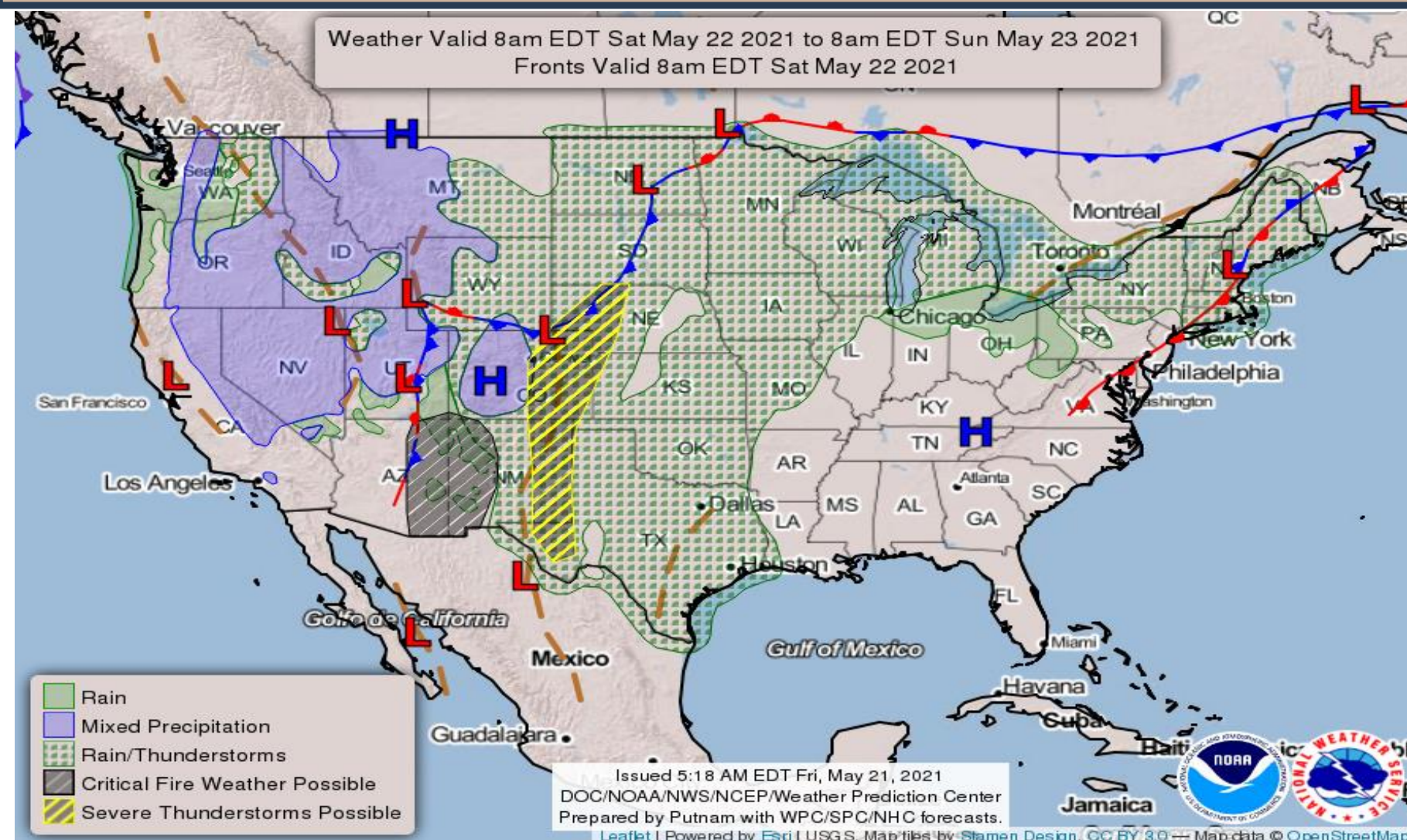


Flash flood watches continue today across much of LA into E TX/SE OK/SW AR.

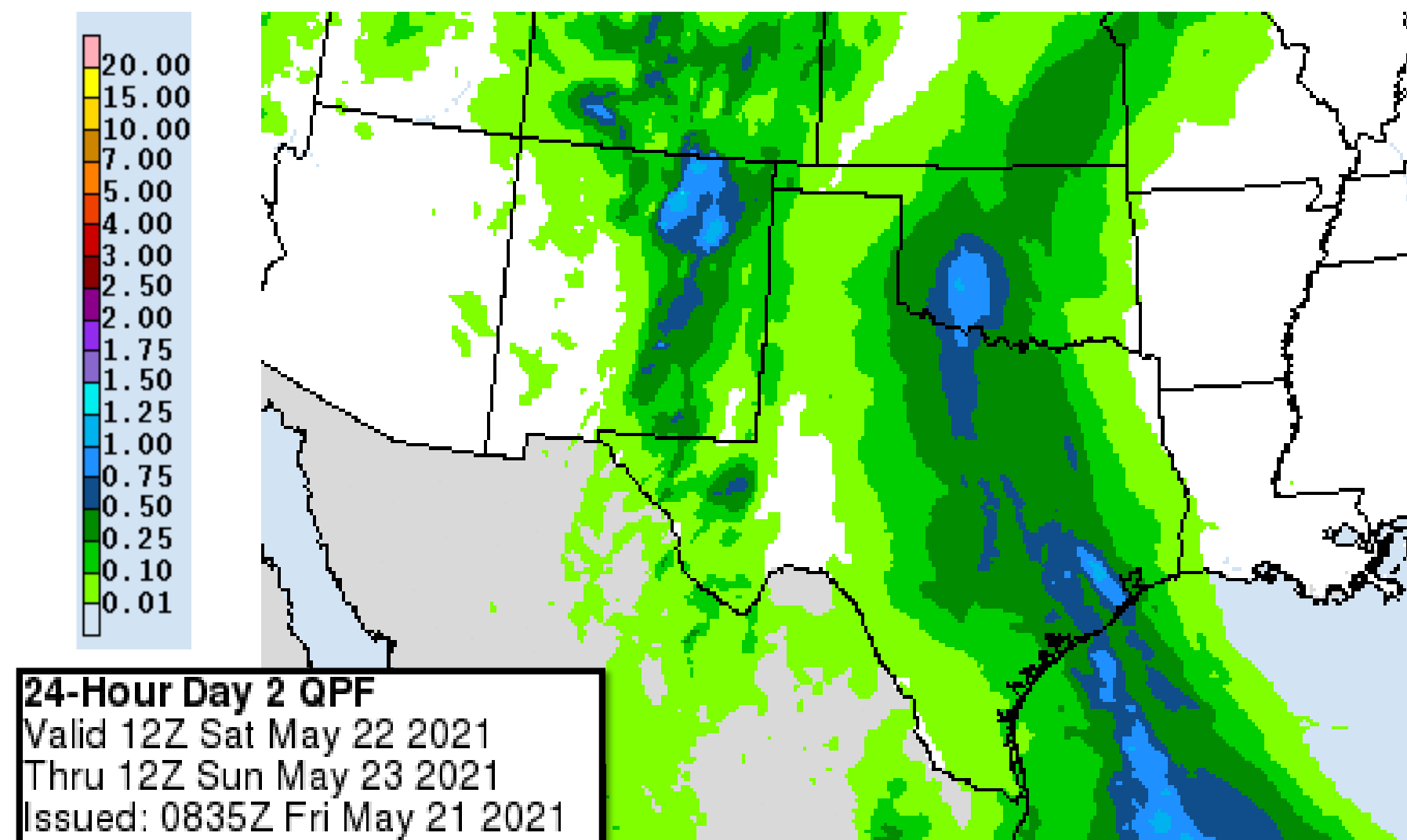
Wind Advisories for NE NM, the western TX/OK Panhandles, and SE LA today.

Tomorrow's Weather

Forecast Chart



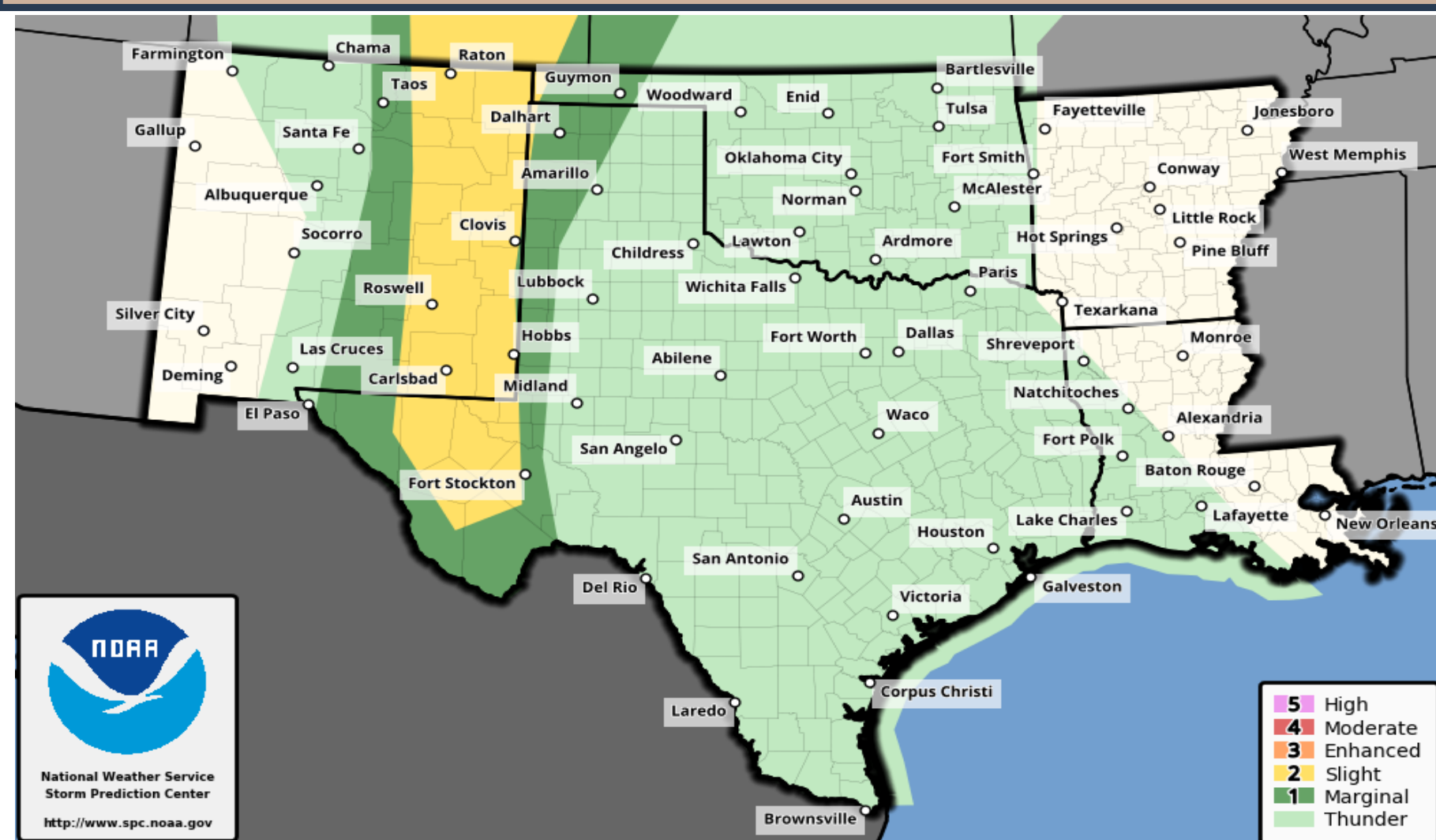
Forecast Rainfall



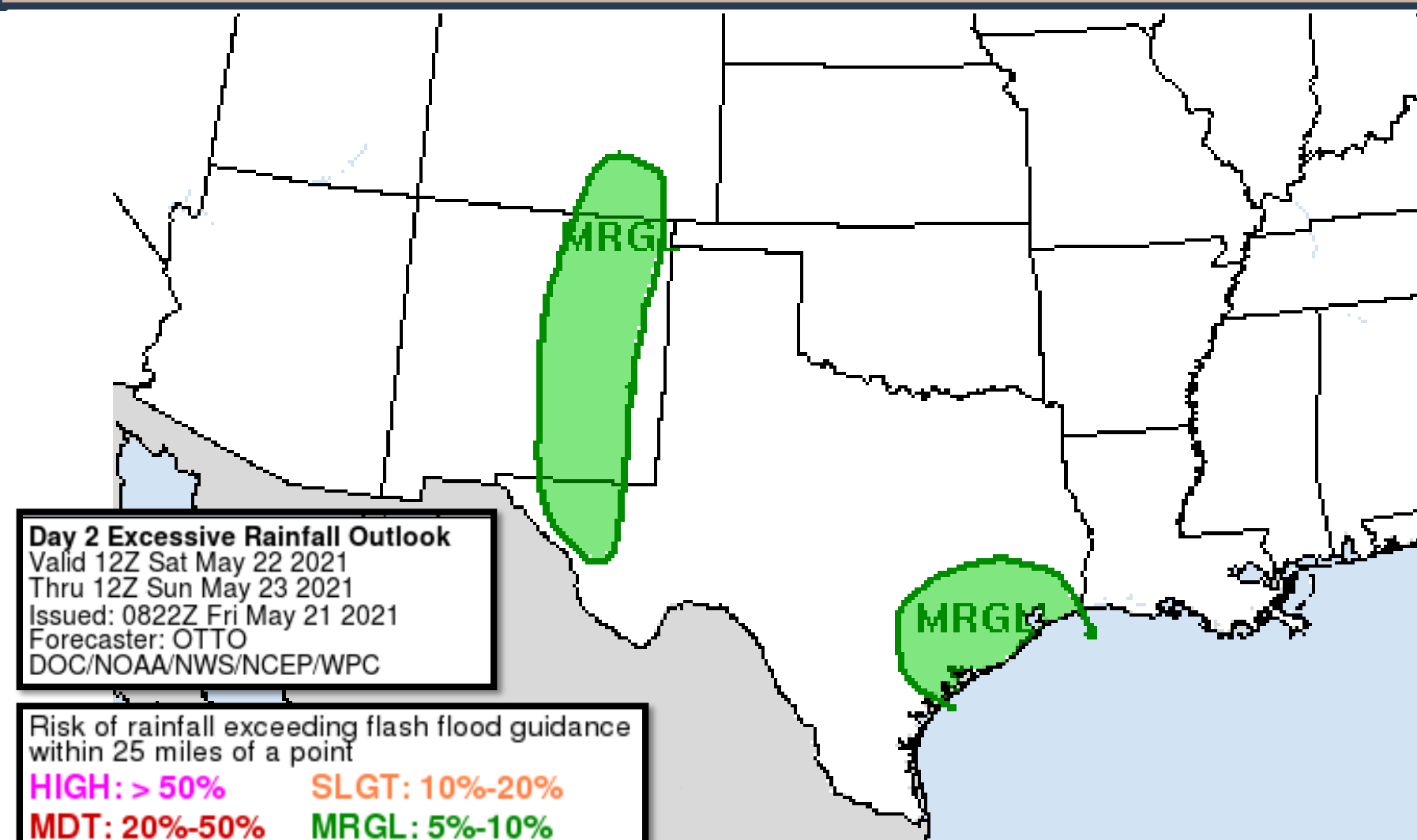
**Severe storms for E NM/W TX
and the TX/OK Panhandles.
Large hail and damaging winds
are the main threats.
A tornado or two is possible.**

**Isolated heavy rain / flash
flooding possible for SE TX and
for E NM/W TX.**

Severe Weather Outlook

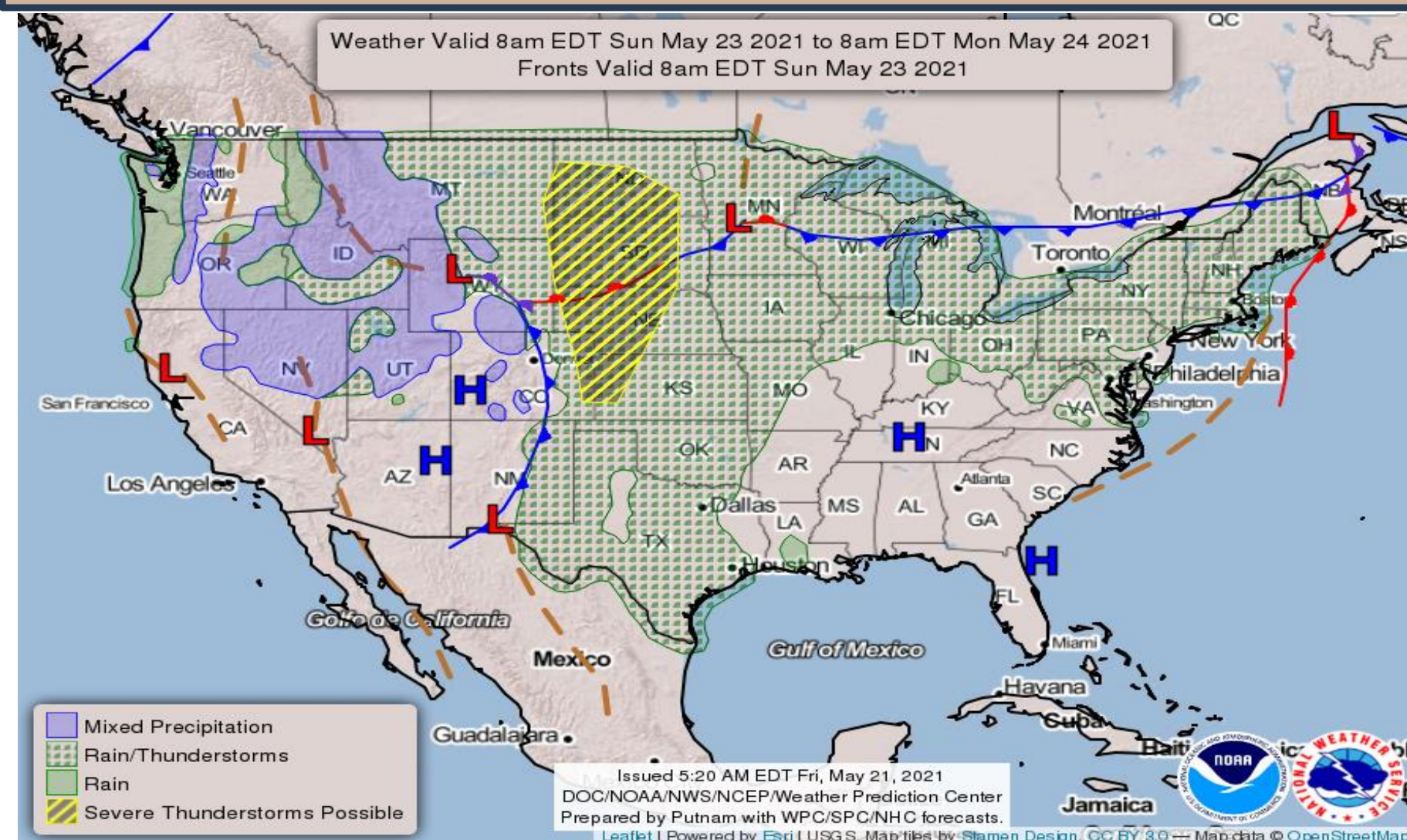


Excessive Rainfall Outlook

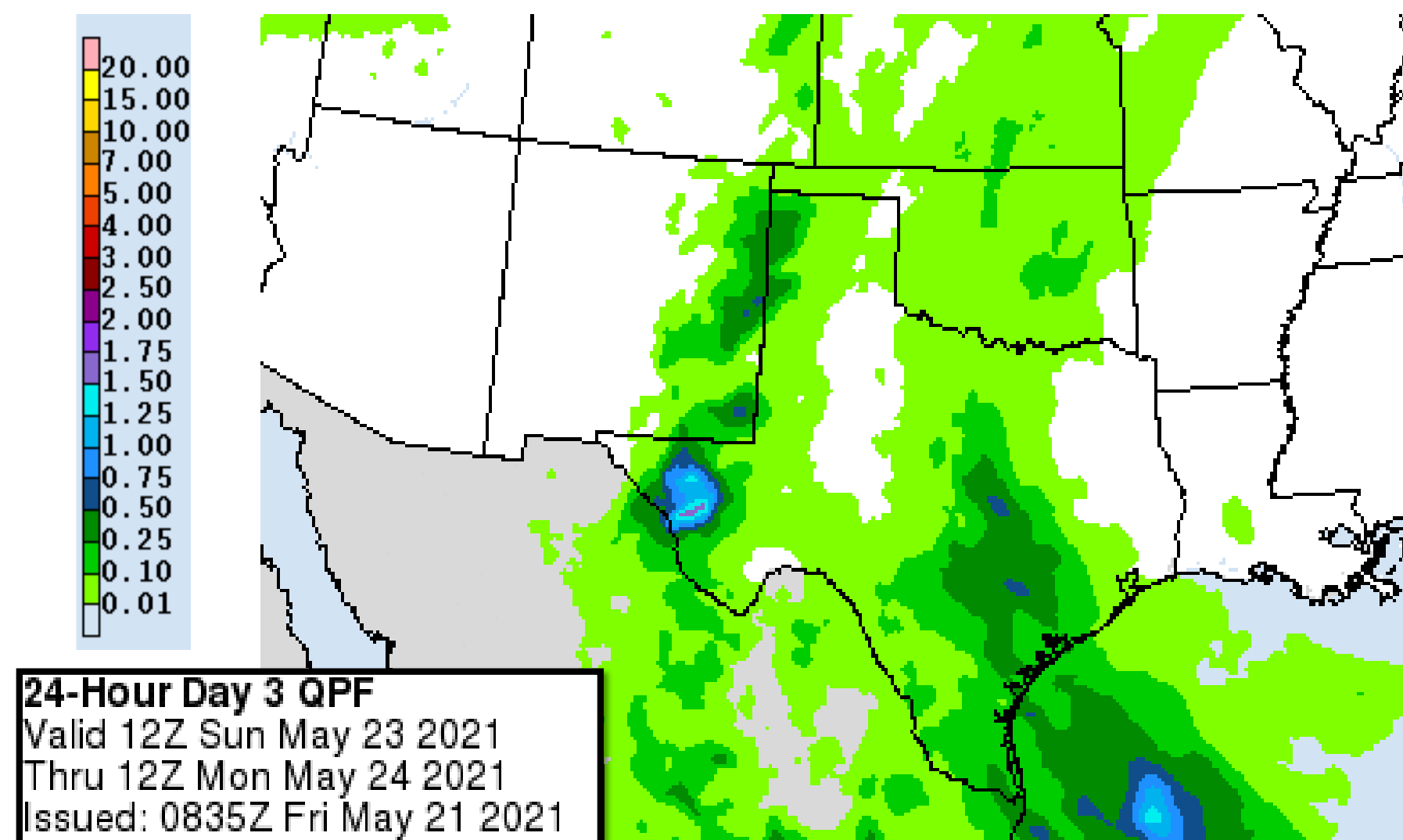


Sunday's Weather

Forecast Chart

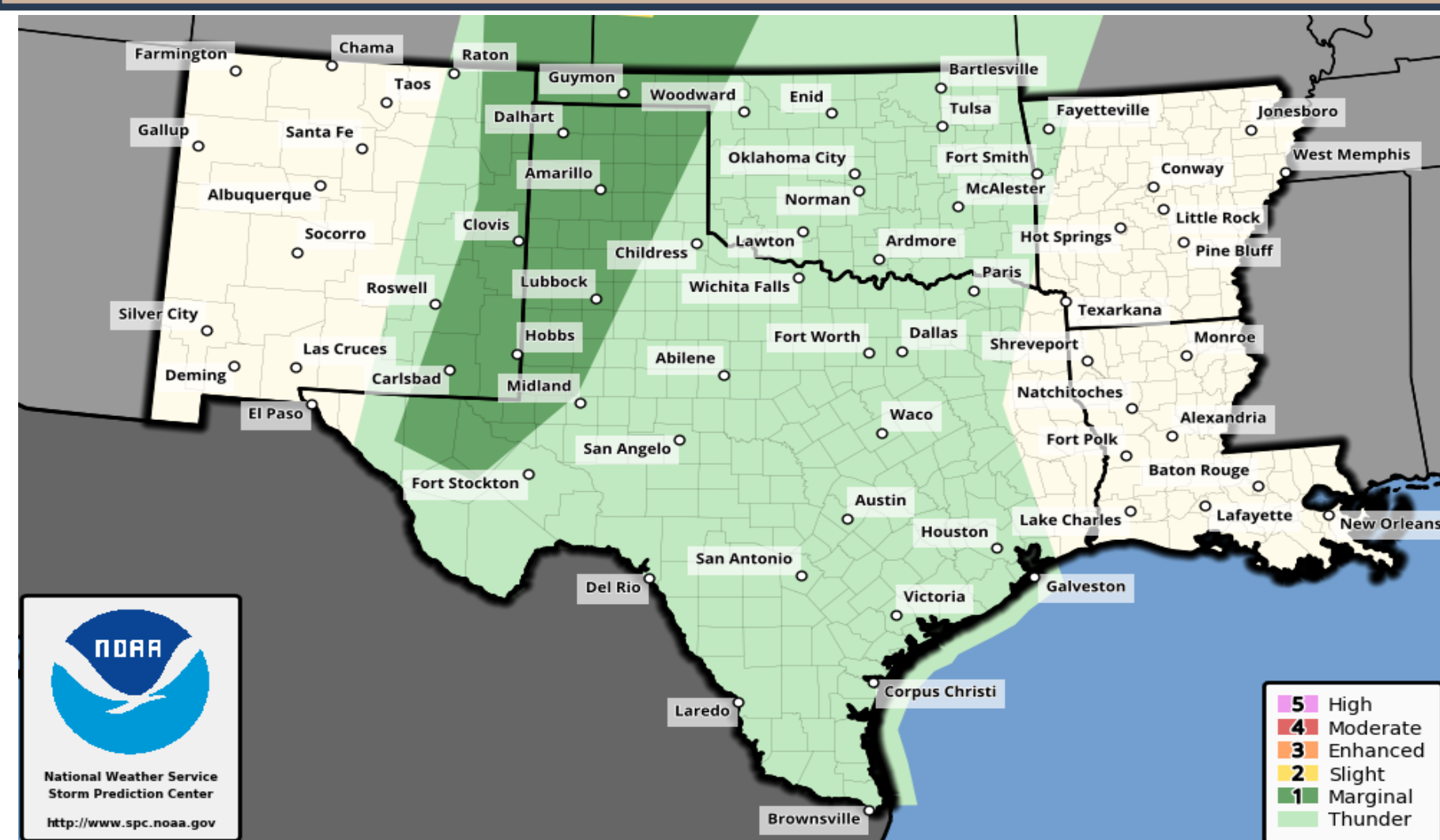


Forecast Rainfall

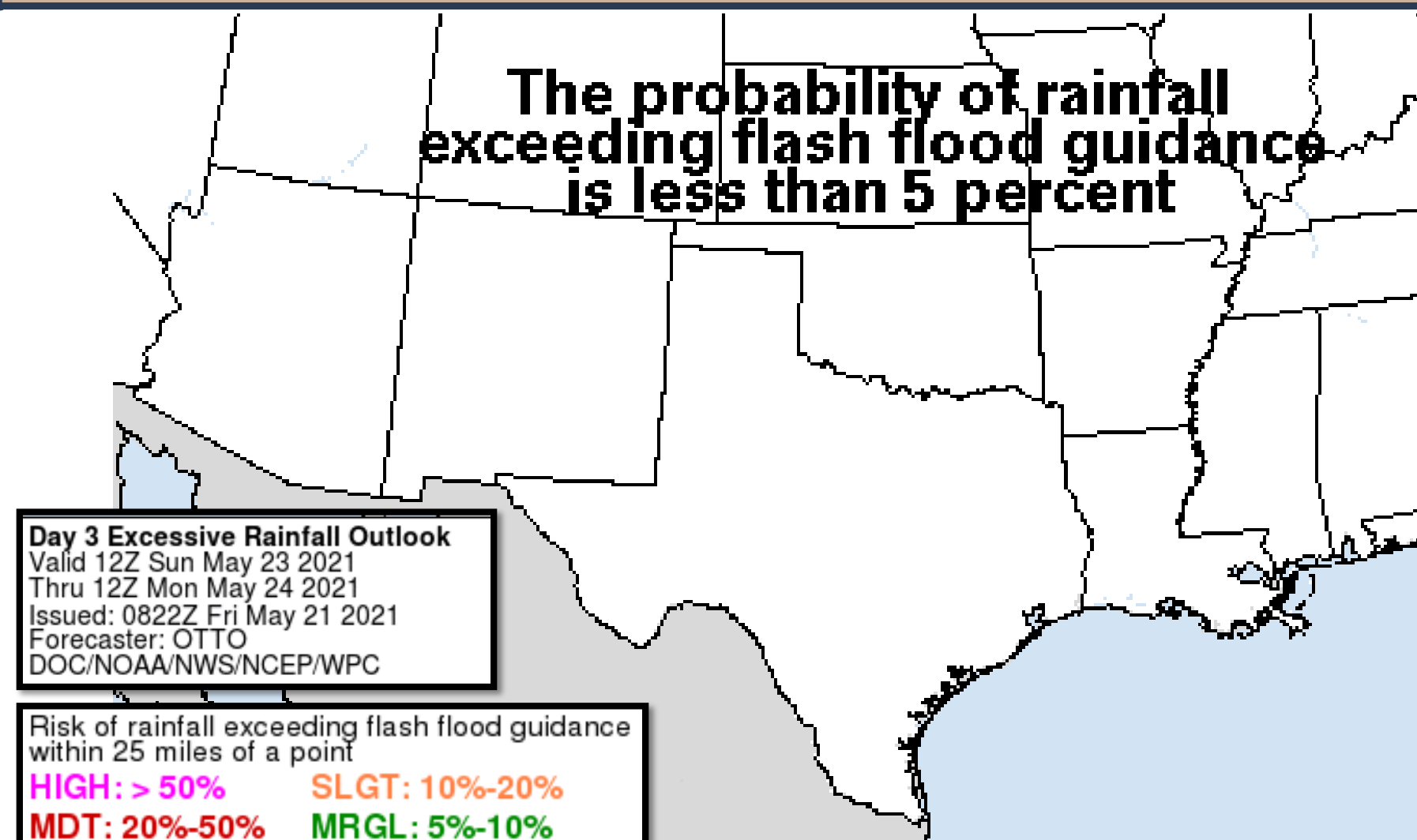


Isolated strong/severe thunderstorms possible across E NM/W TX and the TX/OK Panhandles. Large hail and damaging winds are the main threats.

Severe Weather Outlook



Excessive Rainfall Outlook

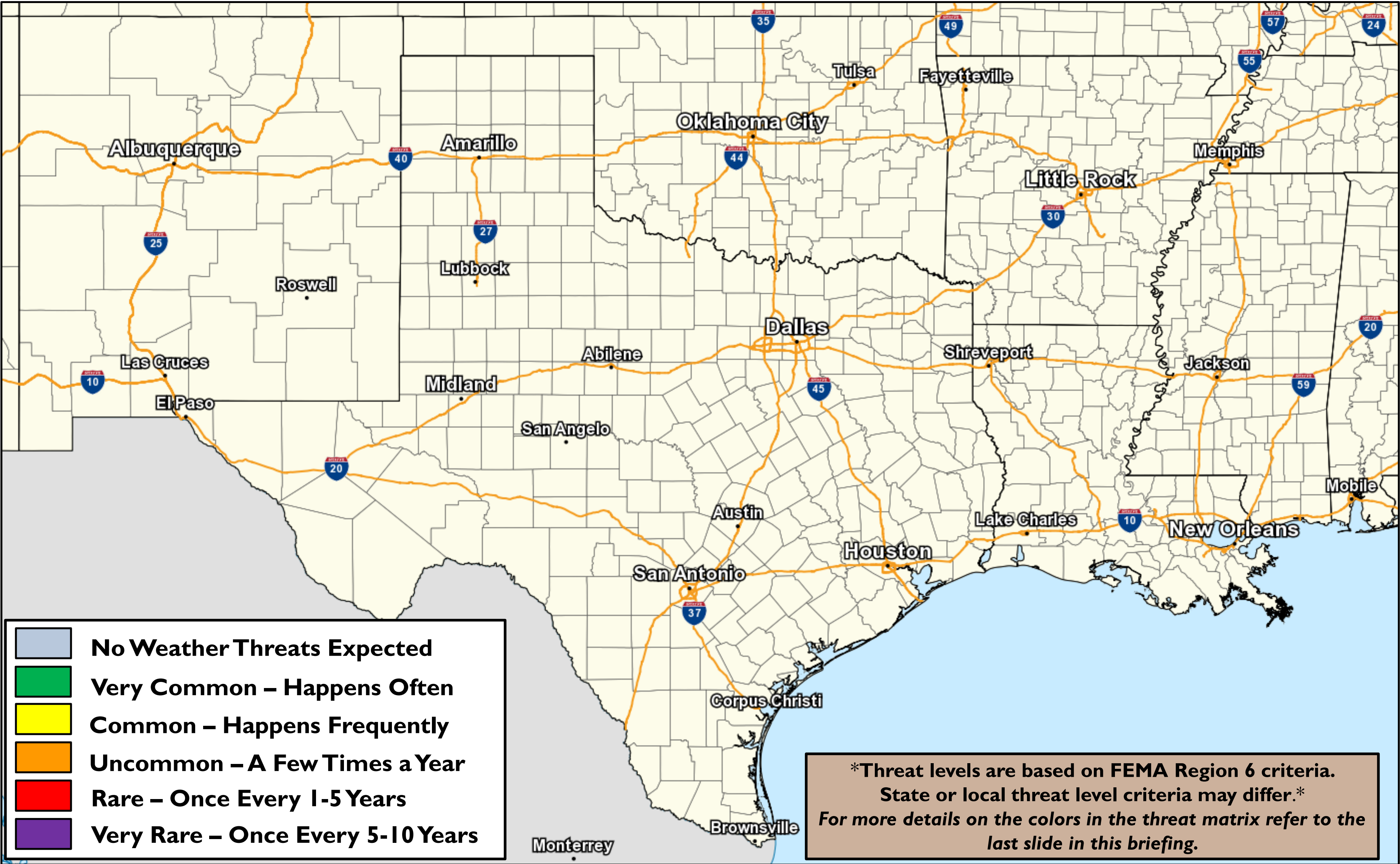


Days 4-5 Weather Hazards

Monday - Tuesday



SR ROC
REGIONAL OPERATIONS CENTER



No significant weather impacts expected.

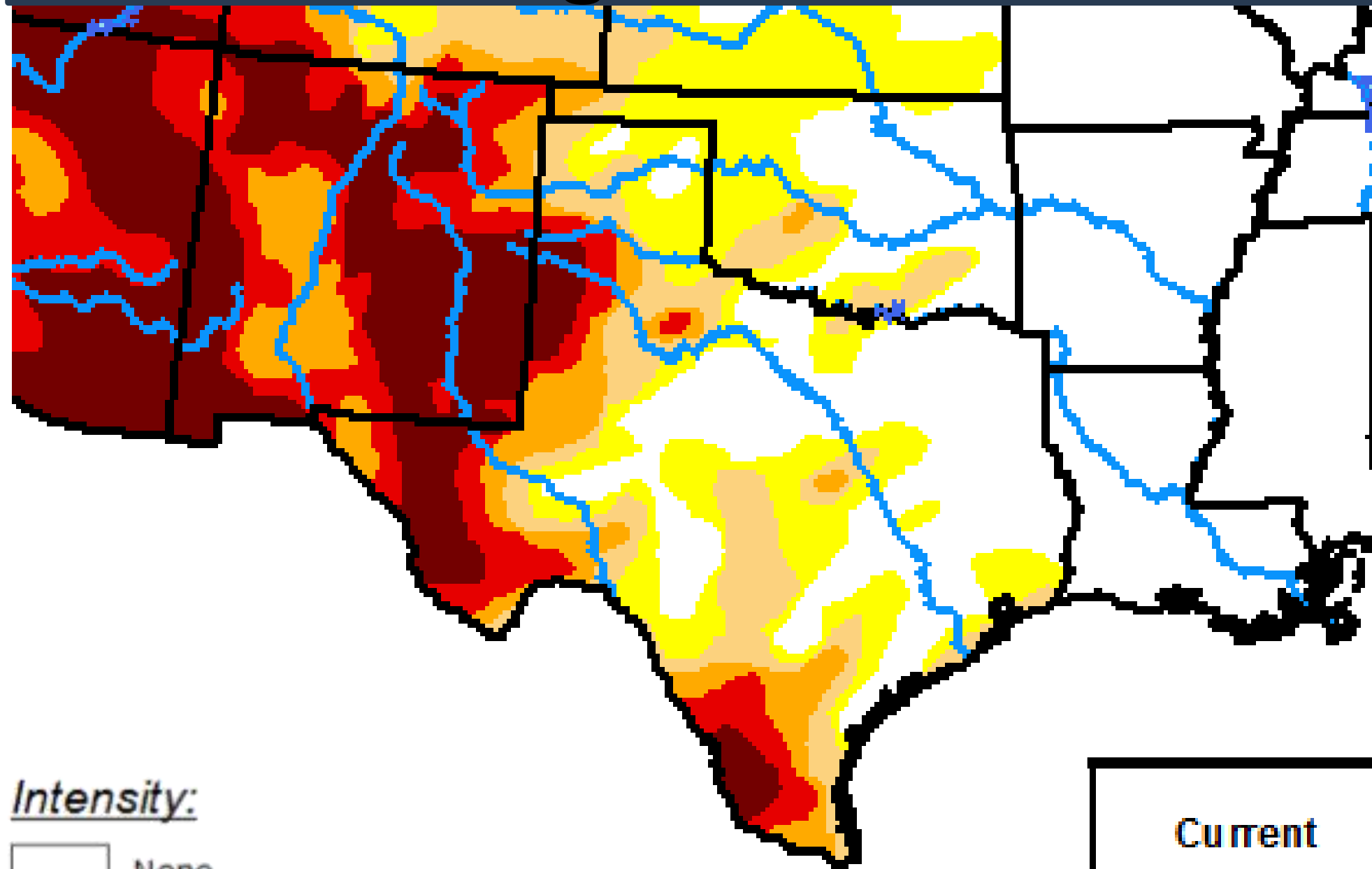
Drought Monitor (Released May 20, 2021)



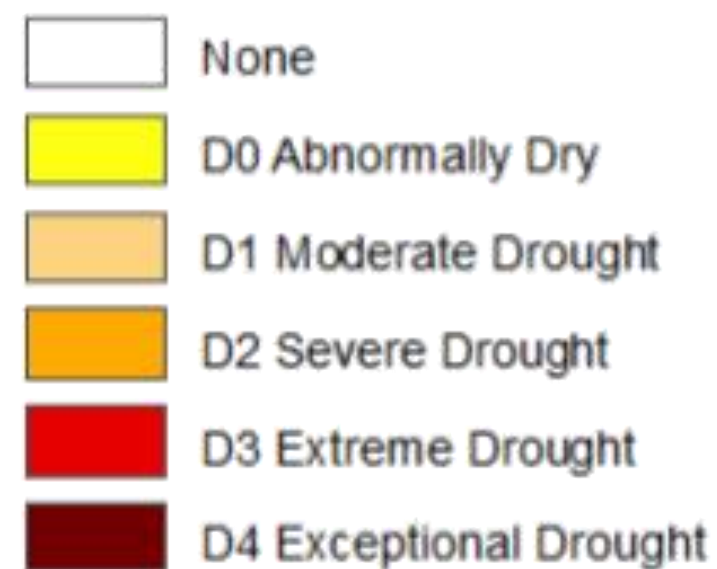
SR ROC
REGIONAL OPERATIONS CENTER

Data valid as of 8 am ET on Tuesday, May 18, 2021

Drought Monitor

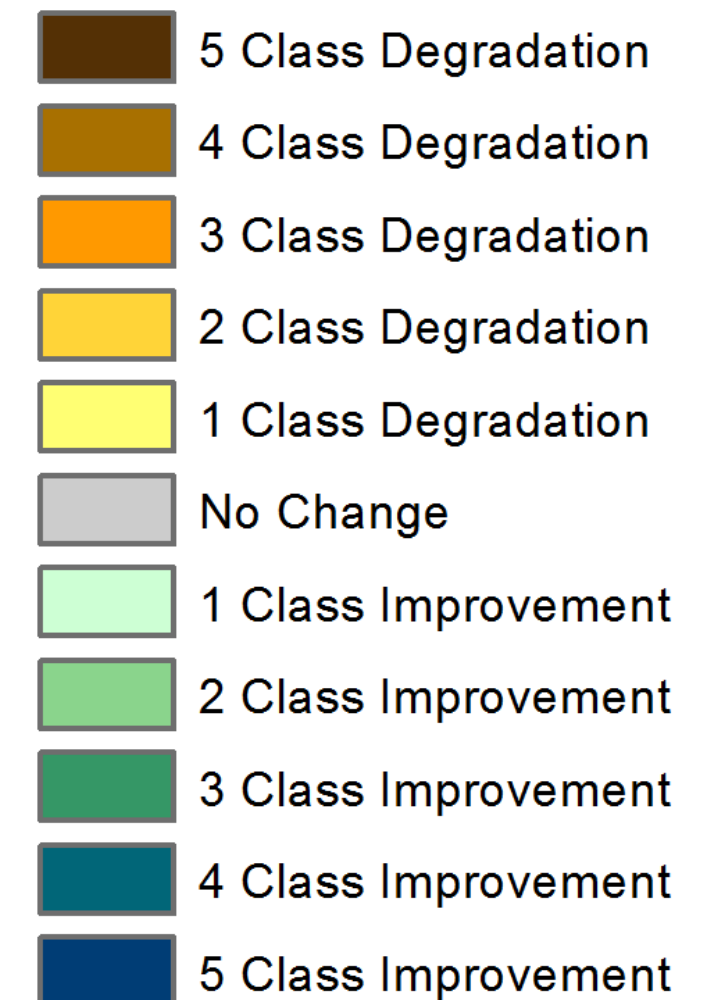
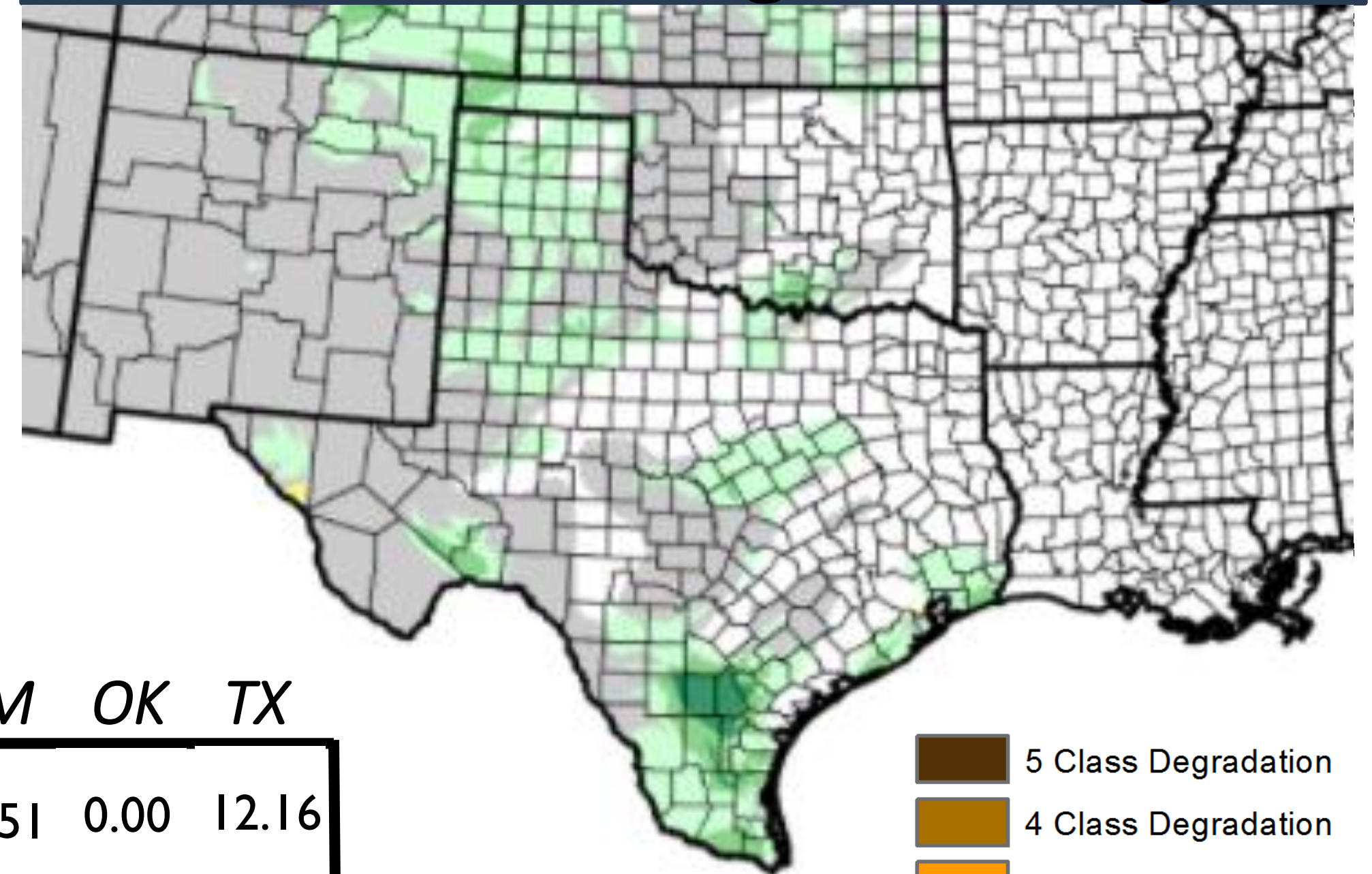


Intensity:



The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

One Week Change in Drought



	AR	LA	NM	OK	TX
Current	0.00	0.00	77.51	0.00	12.16
Last Week 05-04-2021	0.00	0.00	80.49	0.08	16.88
3 Months Ago 02-09-2021	0.00	0.00	82.23	0.23	15.89
One Year Ago 05-12-2020	0.00	0.00	4.44	0.00	0.34

Drought Conditions (Percent Area)

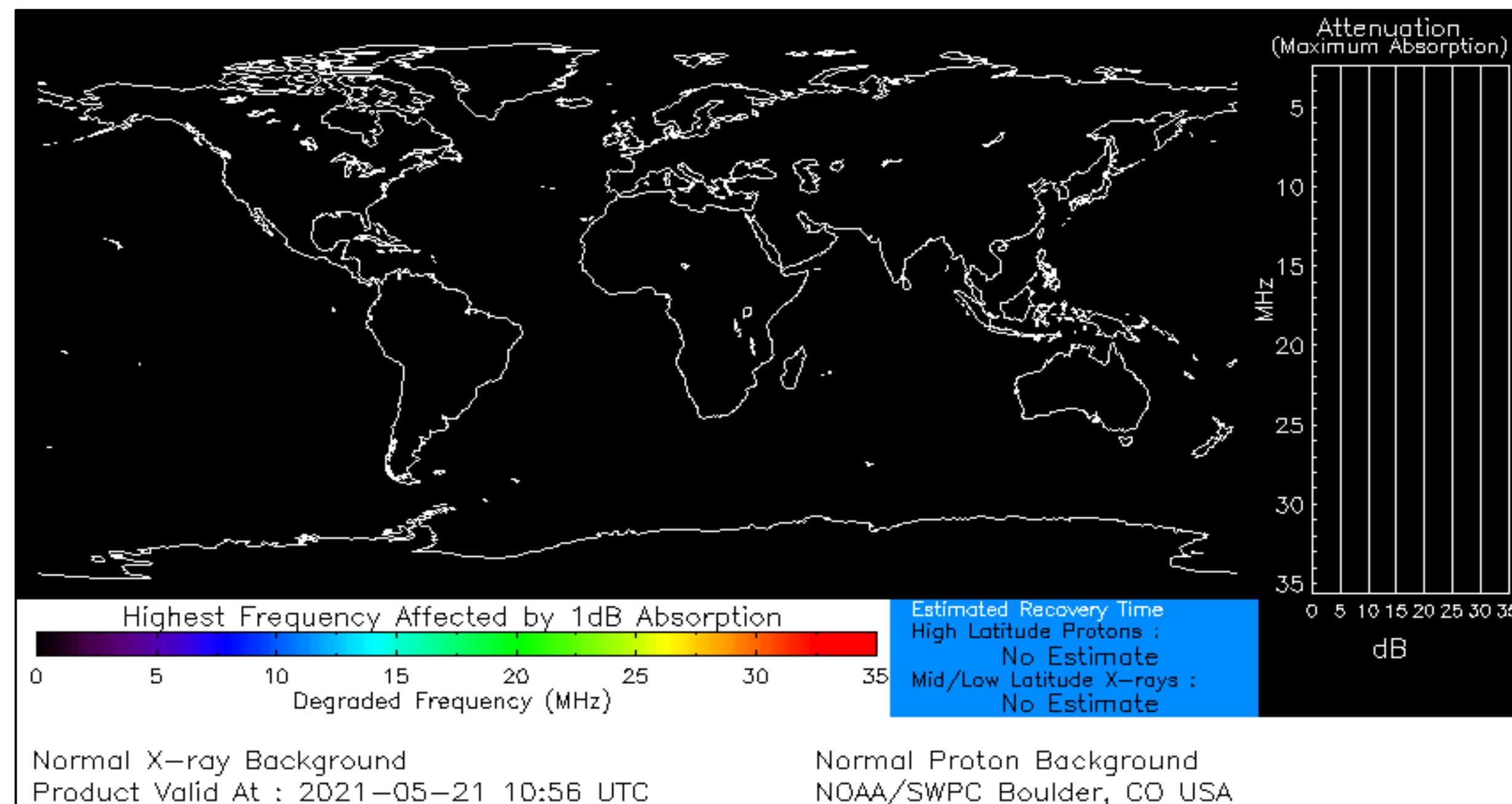
D3-D4 (Extreme to Exceptional Drought)

Space Weather 3-Day Forecast



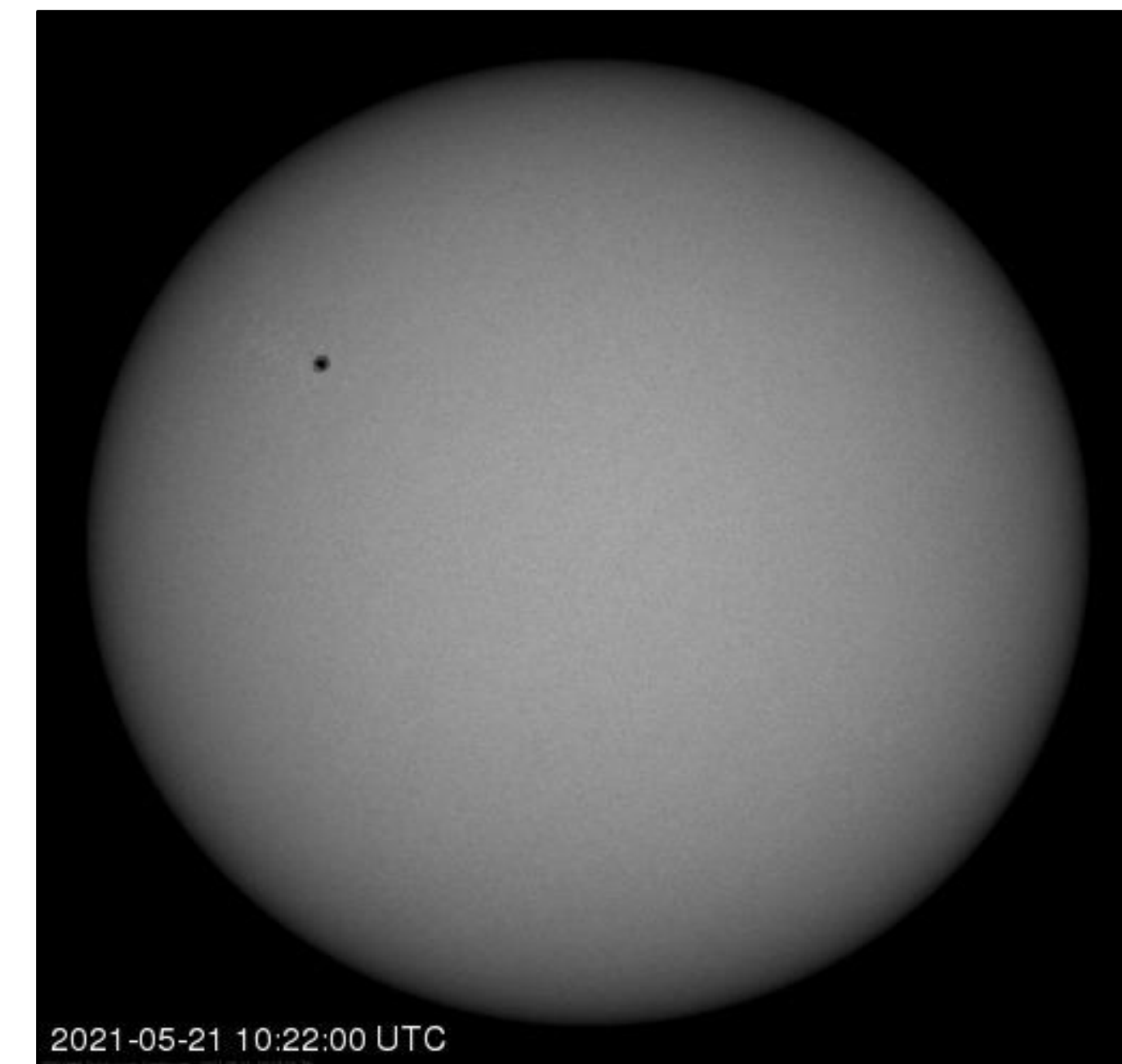
SR ROC
REGIONAL OPERATIONS CENTER

	Friday	Saturday	Sunday
Geomagnetic Storms	Unsettled (Max Kp = 3)	Unsettled (Max Kp = 3)	Quiet (Max Kp = 2)
Solar Radiation Storm (S1-S5)	1%	1%	1%
Radio Blackout (R1-R2)	1%	1%	1%
Radio Blackout (R3-R5)	1%	1%	1%



[Click here for a
Description of the Space
Weather Storm Scales](#)

[Click here for the Latest
3-Day Space Weather
Forecast Text](#)





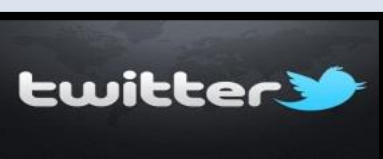
For more information, please contact:

National Weather Service
Southern Region Headquarters
Regional Operations Center
Fort Worth, TX

Phone: (682) 703-3747

E-mail: sr-srh.roc@noaa.gov

Web: <http://www.weather.gov/srh>



Weather “Threat” Matrix			
Color	Definition	Criteria	Example(s)
Green	Very Common Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Little Inconvenience to Daily Routines	Severe: Marginal Risk from SPC Flooding: Minor flooding expected over localized areas Tropical: None Fire Weather: No Watches/Warnings, fuel moisture above 10% or green up active	<ul style="list-style-type: none"> Thunderstorms expected over LA this afternoon; a few may produce winds to knock down a few trees Something that happens almost every day in a particular season such as <u>seabreeze</u> storms in coastal TX
Yellow	Somewhat Common – Happens Frequently Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Some Inconvenience to Daily Life	Severe: Slight Risk from SPC Flooding: Nuisance flooded expected for a widespread area, or Minor flooding expected over isolated areas Tropical: A weak tropical wave expected to move towards or near any coastline Fire Weather: Red Flag Watches/Warnings and/or SPC outlines enhanced or critical fire outlook	<ul style="list-style-type: none"> 2-3 inches of rainfall expected over central AR today and tonight; some minor (brief) street flooding possible Scattered severe storms possible, one or two tornadoes expected, along with reports of strong winds/wind damage and ~1” hail
Orange	Uncommon – A Few Times a Year Safety: Often Threatening to Life and Property, Some Damage Unavoidable Impact Potential: Typically Results in Minor Disruption to Daily Life	Severe: Enhanced Risk from SPC Flooding: Minor flooding expected over a widespread area (including urban locations), or Moderate flooding expected over isolated areas Tropical: A Tropical Storm expected to move towards or near any coastline Fire: Critical fire outlook for more than 2 consecutive days, Warnings for 2 or more consecutive days, D3-D4 drought conditions	<ul style="list-style-type: none"> A snow/sleet mix is expected to move through or near the DFW area tomorrow morning; travel impacts likely Numerous severe storms possible, a few tornadoes possible along with several reports of wind damage along with damaging hail Some large fires reported, burn bans advertised, critical conditions expected
Red	Rare – Once every 1-5 Years Safety: Extensive Property Damage Likely, Life Saving Actions Also will be Needed Impact Potential: Will likely result in Large Disruption to Daily Life	Severe: Moderate Risk from SPC Flooding: Moderate flooding expected over a widespread area (including urban locations) Tropical: A Hurricane expected to move towards or near any coastline Fire: Large areas of critical conditions for 2 or more days, Warnings for 3 or more days, Severe to extreme drought	<ul style="list-style-type: none"> A Category 1 hurricane will be moving towards the NW Gulf in the next few days Widespread severe storms likely, strong tornadoes, widespread wind damage, and destructive hail Large fires ongoing throughout the area with critical fire weather conditions expected to continue
Purple	Very Rare – Once Every 5-10 Years Safety: Property Damage Unavoidable, Immediate Action to Save Life will be Needed Impact Potential: Typically Results in Long-Lived Widespread Major Disruption to Daily Life	Severe: High Risk from SPC Flooding: Major flooding expected over a widespread area (including urban locations) Tropical: A Major Hurricane (Cat3 or greater) expected to move towards or near any coastline Fire: Large area of critical conditions for 2 or more days, Warnings for 3 or more days, Long term (months) of severe to extreme drought	<ul style="list-style-type: none"> A Category 4 hurricane is headed towards the SE LA; major storm surge, flooding and damaging winds anticipated to begin tomorrow Widespread severe storms expected, tornado outbreak probable with long-lived, very widespread and particularly intense storms

Criteria for the color codes in this briefing is to the left, please provide any feedback to

sr-srh.roc@noaa.gov